Osmania University

THE CALENDAR FOR 1337—1339 F.

Osmania University

CALENDAR

1337—1339 FASLI

(Oct. 1927—Oct. 1930.)

CONTENTS

AZUR 1337 F.—OCTOBER 1927 A. D.

Az.	Oct.	Days	
1	7	FRI	
2	8	S	*Yazdahum Sharif.*
			Osmania University Established, 1st Muharram 1337 H., 1328 F. 1918.
3	9	Sun	
4	10	M	
5	11	Tu	
6	12	W	
7	13	Th	
8	14	FRI	
9	15	S	
10	16	Sun	
11	17	M	
12	18	Tu	
13	19	W	
14	20	Th	
15	21	FRI	
16	22	S	
17	23	Sun	
18	24	M	
19	25	Tu	
20	26	W	*Devali.*
21	27	Th	
22	28	FRI	**The Degree of Sultan-ul-Ulum presented to H.E.H. the Nizam 1333 F.—1923.**
23	29	S	
24	30	Sun	
25	31	M	
26	Nov	Tu	
27	2	W	
28	3	Th	
29	4	FRI	
30	5	S	

DAI 1337 F.—NOVEMBER 1927 A.D.

Dai	Nov	Days	
1	6	Sun	
2	7	M	
3	8	Tu	
4	9	W	
5	10	Th	
6	11	FRI	
7	12	S	The Osmania University Regulations received the assent of His Exalted Highness, 29th Safar 1339 H.—1330 F.—1920.
8	13	Sun	
9	14	M	
10	15	Tu	
11	16	W	
12	17	Th	
13	18	FRI	
14	19	S	
15	20	Sun	
16	21	M	
17	22	Tu	
18	23	W	
19	24	Th	
20	25	FRI	
21	26	S	
22	27	Sun	
23	28	M	
24	29	Tu	
25	30	W	
26	Dec.	Th	
27	2	FRI	
28	3	S	
29	4	Sun	

BAHMAN 1337 F.—DECEMBER 1927 A.D.

Bah.	Dec.	Days	
1	5	M	
2	6	Tu	
3	7	W	
4	8	Th	
5	9	FRI	*Lunar Eclipse.*
6	10	S	
7	11	Sun	
8	12	M	
9	13	Tu	
10	14	W	
11	15	Th	
12	16	FRI	
13	17	S	*Fateha Hazrat Abu Bakar Siddiq.*
14	18	Sun	
15	19	M	
16	20	Tu	
17	21	W	
18	22	Th	
19	23	FRI	
20	24	S	
21	25	Sun	*Christmas.*
22	26	M	H. E. H. the Nizam's Birthday, 1302 H.
23	27	Tu	
24	28	W	
25	29	Th	
26	30	FRI	
27	31	S	*Urus Hazrat Khwaja Muinuddin Chishti.*
28	Jan.	Sun	*New Year's Day.*
29	2	M	
30	3	Tu	

ISFANDAR 1337 F.—JANUARY 1928 A.D.

Isf.	Jan.	Days	
1	4	W	
2	5	Th	
3	6	FRI	
4	7	S	
5	8	Sun	
6	9	M	
7	10	Tu	
8	11	W	} *Maula Ali Urus.*
9	12	Th	
10	13	FRI	
11	14	S	*Til Sankarat.*
12	15	Sun	
13	16	M	
14	17	Tu	
15	18	W	
16	19	Th	
17	20	FRI	} *Shab-i-Miraj.*
18	21	S	
19	22	Sun	
20	23	M	*Independence Day.*
21	24	Tu	
22	25	W	
23	26	Th	
24	27	FRI	*Basant Panchami.*
25	28	S	
26	29	Sun	
27	30	M	
28	31	Tu	
29	Feb.	W	
30	2	Th	

FARWARDI 1337 F.—FEBRUARY 1928 A.D.

Far.	Feb.	Days	
1	3	FRI	
2	4	S	
3	5	Sun	
4	6	M	·Last day for receiving applications for the Intermediate, B.A. and M.A. Examinations (Private candidates).
5	7	Tu	⎫ *Shab-i-Barat.*
6	8	W	⎭
7	9	Th	
8	10	FRI	
9	11	S	
10	12	Sun	
11	13	M	*Urus Baba Sharfuddin Aulia.*
12	14	Tu	
13	15	W	
14	16	Th	
15	17	FRI	
16	18	S	Last day for receiving applications for the Matriculation Examination (Pupil and Private Candidates).
17	19	Sun	*Maha Sivratri.*
18	20	M	
19	21	Tu	
20	22	W	
21	23	Th	
22	24	FRI	*Anniversary of H.H. the late Nizam.*
23	25	S	
24	26	Sun	*H.E.H. the Nizam ascended the throne, 1329 H.*
25	27	M	
26	28	Tu	
27	29	W	
28	Mar.	Th	
29	2	FRI	
30	3	S	
31	4	Sun	Last day for receiving applications for the Intermediate, B.A. and M.A. Examinations (College Candidates).

ARDIBEHISHT 1337 F.—MARCH 1928 A.D.

Ard.	Mar.	Days	
1	5	M	} *Holi.*
2	6	Tu	
3	7	W	
4	8	Th	
5	9	FRI	
6	10	S	
7	11	Sun	
8	12	M	
9	13	Tu	*Fateha Hazrat Ali.*
10	14	W	
11	15	Th	
12	16	FRI	
13	17	S	
14	18	Sun	
15	19	M	
16	20	Tu	} *Shab-i-Qadr.*
17	21	W	
18	22	Th	*Ugadi.*
19	23	FRI	*Shab-i-Qadr.*
20	24	S	
21	25	Sun	} *Id-ul-Fitr.*
22	26	M	
23	27	Tu	
24	28	W	
25	29	Th	*Sri Ramnaumi.*
26	30	FRI	
27	31	S	
28	Apr.	Sun	
29	2	M	
30	3	Tu	
31	4	W	

KHURDAD 1337 F.—APRIL 1928 A.D.

Khd	Apr.	Days
1	5	Th
2	6	FRI
3	7	S
4	8	Sun
5	9	M
6	10	Tu
7	11	W
8	12	Th
9	13	FRI
10	14	S
11	15	Sun
12	16	M
13	17	Tu
14	18	W
15	19	Th
16	20	FRI
17	21	S
18	22	Sun
19	23	M
20	24	Tu
21	25	W
22	26	Th
23	27	FRI
24	28	S
25	29	Sun
26	30	M
27	May	Tu
28	2	W
29	3	Th
30	4	FRI
31	5	S

TIR 1337 F.—MAY 1928 A.D.

Tir	May	Days	
1	6	Sun	
2	7	M	
3	8	Tu	
4	9	W	
5	10	Th	Last day for receiving applications for the LL.B. Examination.
6	11	FRI	
7	12	S	Intermediate, B.A. and M.A. Examinations begin.
8	13	Sun	
9	14	M	
10	15	Tu	
11	16	W	
12	17	Th	
13	18	FRI	
14	19	S	Matriculation Examination begins.
15	20	Sun	
16	21	M	
17	22	Tu	
18	23	W	
19	24	Th	*Queen Victoria's Birthday, 1819.*
20	25	FRI	
21	26	S	
22	27	Sun	
23	28	M	
24	29	Tu	
25	30	W	*Id-uz-Zuha.*
26	31	Th	
27	June	FRI	
28	2	S	
29	3	Sun	
30	4	M	*Lunar Eclipse.*
31	5	Tu	*H. M. the King Emperor's Birthday, 1865.*

AMARDAD 1337 F.—JUNE 1928 A.D.

Amd	June	Days	
1	6	W	
2	7	Th	*Fateha Hazrat Osman Ghani.*
3	8	FRI	
4	9	S	
5	10	Sun	
6	11	M	
7	12	Tu	
8	13	W	
9	14	Th	LL.B. Examinations begin.
10	15	FRI	
11	16	S	
12	17	Sun	
13·	18	M	
14	19	Tu	
15	20	W	*Fateha Hazrat Omar.*
16	21	Th	
17	22	FRI	
18	23	S	
19	24	Sun	
20	25	M	*Muharram.*
21	26	Tu	
22	27	W	
23	28	Th	
24	29	FRI	
25	30	S	
26	July	Sun	
27	2	M	
28	3	Tu	
29	4	W	
30	5	Th	
31	6	FRI	

SHAHREWAR 1337 F.—JULY 1928 A.D.

Shr.	July	Days
1	7	S
2	8	Sun
8	9	M
4	10	Tu
5	11	W
6	12	Th
7	13	FRI
8	14	S
9	15	Sun
10	16	M
11	17	Tu
12	18	W
13	19	Th
14	20	FRI
15	21	S
16	22	Sun
17	23	M
18	24	Tu
19	25	W
20	26	Th
21	27	FRI
22	28	S
23	29	Sun
24	30	M
25	81	Tu
26	Aug.	W
27	2	Th
28	8	FRI
29	4	S
80	5	Sun
81	6	M

MEHIR 1337 F.—AUGUST 1928 A.D.

Mhr.	Aug.	Days	
1	7	Tu	
2	8	W	
3	9	Th	
4	10	FRI	
5	11	S	
6	12	Sun	
7	13	M	
8	14	Tu	
9	15	W	
10	16	Th	
11	17	FRI	
12	18	S	
13	19	Sun	
14	20	M	
15	21	Tu	
16	22	W	
17	23	Th	
18	24	FRI	
19	25	S	
20	26	Sun	The Prophet's Birthday.
21	27	M	Osmania University College opened, 1328 F.—1919.
22	28	Tu	
23	29	W	
24	30	Th	*Rakhi Punnam.*
25	31	FRI	
26	Sep.	S	
27	2	Sun	
28	3	M	
29	4	Tu	
30	5	W	

ABAN 1337 F.—SEPTEMBER 1928 A.D.

Abn.	Sep.	Days	
1	6	Th	*Janamashtami.* **Translation Bureau founded, 18th Ziqada 1335 H., 1326 F.—1917.**
2	7	FRI	
3	8	S	
4	9	Sun	
5	10	M	
6	11	Tu	
7	12	W	
8	13	Th	
9	14	FRI	
10	15	S	
11	16	Sun	
12	17	M	*Ganesh Chauth.*
13	18	Tu	
14	19	W	
15	20	Th	
16	21	FRI	*Birthday of H.H. the late Nizam, 1283 H.* **The Royal Charter of the Osmania University Promulgated, 16th Zilhejja 1336 H., 1327 F.—1918.**
17	22	S	
18	23	Sun	
19	24	M	
20	25	Tu	
21	26	W	
22	27	Th	*Yazdahum Sharif.*
23	28	FRI	*Anantachaturdasi.*
24	29	S	
25	30	Sun	
26	Oct.	M	
27	2	Tu	
28	3	W	
29	4	Th	
30	5	FRI	

AZUR 1338 F.—OCTOBER 1928 A.D.

Az.	Oct.	Days	
1	6	S	
2	7	Sun	Osmania University Established, 1st Muharram 1337 H., 1328 F.—1918.
3	8	M	
4	9	Tu	
5	10	W	
6	11	Th	
7	12	FRI	
8	13	S	
9	14	Sun	
10	15	M	
11	16	Tu	
12	17	W	
13	18	Th	
14	19	FRI	
15	20	S	
16	21	Sun	
17	22	M	
18	23	Tu	
19	24	W	} *Dasehra.*
20	25	Th	
21	26	FRI	
22	27	S	The Degree of Sultan-ul-Ulum presented to H.E.H. the Nizam 1333 F.—1923.
23	28	Sun	
24	29	M	
25	30	Tu	
26	31	W	
27	Nov.	Th	
28	2	FRI	
29	3	S	
30	4	Sun	

DAI 1338 F.—NOVEMBER 1928 A.D.

Dai	Nov	Days	
1	5	M	
2	6	Tu	
8	7	W	
4	8	Th	
5	9	FRI	
6	10	S	
7	11	Sun	*Divali.* The Osmania University Regulations received the assent of His Exalted Highness, 29tl Safar 1839 H., 1330 F.—1920.
8	12	M	*Solar Eclipse.*
9	13	Tu	
10	14	W	
11	15	Th	
12	16	FRI	
18	17	S	
14	18	Sun	
15	19	M	
16	20	Tu	
17	21	W	
18	22	Th	
19	23	FRI	
20	24	S	
21	25	Sun	
22	26	M	
28	27	Tu	
24	28	W	
25	29	Th	
26	80	FRI	
27	Dec.	S	
28	2	Sun	
29	8	M	

BAHMAN 1338 F.—DECEMBER 1928 A.D.

Bah.	Dec	Days	
1	4	Tu	
2	5	W	*Fateha Hazrat Abu Bakar Siddiq.*
3	6	Th	
4	7	FRI	
5	8	S	
6	9	Sun	
7	10	M	
8	11	Tu	
9	12	W	
10	13	Th	
11	14	FRI	**H.E.H. the Nizam's Birthday, 1302 H.**
12	15	S	
13	16	Sun	
14	17	M	
15	18	Tu	
16	19	W	*Urus Hazrat Khwaja Muinuddin Chishti.*
17	20	Th	
18	21	FRI	
19	22	S	
20	23	Sun	
21	24	M	
22	25	Tu	*Christmas Day.*
23	26	W	
24	27	Th	
25	28	FRI	
26	29	S	
27	30	Sun	*Maula Ali Urus.*
28	31	M	
29	Jan.	Tu	*New Year's Day.*
30	2	W	

ISFANDAR 1338 F.—JANUARY 1929 A.D.

Isf.	Jan.	Days	
1	3	Th	
2	4	FRI	
3	5	S	
4	6	Sun	} *Shab-i-Miraj.*
5	7	M	
6	8	Tu	
7	9	W	*Independence Day.*
8	10	Th	
9	11	FRI	
10	12	S	
11	13	Sun	
12	14	M	*Til Sankarat.*
13	15	Tu	
14	16	W	
15	17	Th	
16	18	FRI	
17	19	S	
18	20	Sun	
19	21	M	
20	22	Tu	
21	23	W	
22	24	Th	
23	25	FRI	
24	26	S	} *Shab-i-Barat.*
25	27	Sun	
26	28	M	
27	29	Tu	
28	30	W	
29	31	Th	
30	Feb.	FRI	*Urus Hazrat Baba Sharfuddin Aulia.*

FARWARDI 1338 F.—FEBRUARY 1929 A.D.

Far.	Feb.	Days	
1	2	S	Last day for receiving applications for the Intermediate, B.A. and M.A. Examinations (Private candidates).
2	3	Sun	
3	4	M	
4	5	Tu	
5	6	W	
6	7	Th	
7	8	FRI	
8	9	S	
9	10	Sun	
10	11	M	Last day for receiving applications for the Matriculation Examination (Pupil and Private candidates).
11	12	Tu	
12	13	W	.
13	14	Th	*Basant Panchami.*
14	15	FRI	*Anniversary of H.H. the late Nizam.*
15	16	S	
16	17	Sun	
17	18	M	*H.E.H. the Nizam ascended the throne, 1829 H.*
18	19	Tu	
19	20	W	
20	21	Th	
21	22	FRI	
22	23	S	Last day for receiving applications for the Intermediate, B.A. and M.A. Examinations (College candidates).
23	24	Sun	
24	25	M	
25	26	Tu	
26	27	W	
27	28	Th	
28	Mar.	FRI	
29	2	S	
30	3	Sun	*Fateha Hazrat Ali.*
31	4	M	

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ARDIBEHISHT 1338 F.—MARCH 1929 A.D.

Ard.	Mar.	Days	
1	5	Tu	
2	6	W	
8	7	Th	
4	8	FRI	
5	9	S	*Maha Sivratri.*
6	10	Sun	
7	11	M	*Shab-i-Qadr.*
8	12	Tu	
9	18	W	
10	14	Th	*Id-ul-Fitr.*
11	15	FRI	
12	16	S	
18	17	Sun	
14	18	M	
15	19	Tu	
16	20	W	
17	21	Th	
18	22	FRI	
19	23	S	Last day for receiving applications for the M.Sc. (Previous) Examination.
20	24	Sun	*Holi.*
21	25	M	
22	26	Tu	
28	27	W	
24	28	Th	
25	29	FRI	
26	80	S	
27	81	Sun	
28	Apr.	M	Last day for receiving applications for the M.B, B.S. Examination.
29	2	Tu	
80	8	W	
81	4	Th	Last day for receiving applications for the LL.B., Previous and Final Examinations.

KHURDAD 1338 F.—APRIL 1929 A.D.

Khd.	Apr.	Days	
1	5	FRI	
2	6	S	Intermediate, B.A. and M.A., Examinations begin.
8	7	Sun	
4	8	M	
5	9	Tu	
6	10	W	*Ugadi.*
7	11	Th	
8	12	FRI	
9	13	S	
10	14	Sun	
11	15	M	
12	16	Tu	
13	17	W	*Sri Ramnaumi.*
14	18	Th	
15	19	FRI	
16	20	S	
17	21	Sun	
18	22	M	M. Sc. Examination begins, (Practical).
19	23	Tu	
20	24	W	
21	25	Th	
22	26	FRI	
23	27	S	
24	28	Sun	
25	29	M	Matriculation and M. B., B.S. Examinations begin.
26	30	Tu	
27	May	W	
28	2	Th	
29	8	FRI	
80	4	S	
81	5	Sun	

TIR 1338 F.—MAY 1929 A.D.

Tir	May	Days	
1	6	M	
2	7	Tu	
8	8	W	
4	9	Th	*Lunar Eclipse.*
5	10	FRI	
6	11	S	LL.B. Examinations begin.
7	12	Sun	
8	13	M	
9	14	Tu	
10	15	W	
11	16	Th	
12	17	FRI	
13	18	S	
14	19	Sun	
15	20	M	
16	21	Tu	*Id-uz-Zuha.*
17	22	W	
18	23	Th	
19	24	FRI	*Queen Victoria's Birthday, 1819.*
20	25	S	
21	26	Sun	
22	27	M	
23	28	Tu	*Fateha Hazrat Osman Ghani.*
24	29	W	
25	80	Th	
26	81	FRI	
27	June	S	
28	2	Sun	
29	3	M	*H. M. the King Emperor's Birthday, 1865.*
80	4	Tu	
81	5	W	M.Sc. Examination begins, (Theoretical).

AMARDAD 1338 F.—JUNE 1929 A.D.

Amd	June	Days	
1	6	Th	
2	7	FRI	
8	8	S	
4	9	Sun	*Fateha Hazrat Omar.*
5	10	M	
6	11	Tu	
7	12	W	
8	13	Th	*Muharram.*
9	14	FRI	
10	15	S	
11	16	Sun	
12	17	M	
13	18	Tu	
14	19	W	
15	20	Th	
16	21	FRI	
17	22	S	
18	23	Sun	
19	24	M	
20	25	Tu	
21	26	W	
22	27	Th	
28	28	FRI	
24	29	S	
25	80	Sun	
26	July	M	
27	2	Tu	
28	8	W	
29	4	Th	
80	5	FRI	
81	6	S	

SHAHREWAR 1338 F.—JULY 1929 A.D.

Shr.	July	Days
1	7	Sun
2	8	M
3	9	Tu
4	10	W
5	11	Th
6	12	FRI
7	13	S
8	14	Sun
9	15	M
10	16	Tu
11	17	W
12	18	Th
13	19	FRI
14	20	S
15	21	Sun
16	22	M
17	23	Tu
18	24	W
19	25	Th
20	26	FRI
21	27	S
22	28	Sun
23	29	M
24	30	Tu
25	31	W
26	Aug.	Th
27	2	FRI
28	3	S
29	4	Sun
30	5	M
31	6	Tu

MEHIR 1338 F.—AUGUST 1929 A.D.

Mhr.	Aug.	Days	
1	7	W	
2	8	Th	
3	9	FRI	
4	10	S	
5	11	Sun	
6	12	M	
7	13	Tu	
8	14	W	
9	15	Th	
10	16	FRI	
11	17	S	} The Prophet's Birthday.
12	18	Sun	
13*	19	M	
14	20	Tu	*Rakhi Punnam.*
15	21	W	
16	22	Th	
17	23	FRI	
18	24	S	
19	25	Sun	
20	26	M	
21	27	Tu	*Sri Krishna's Birthday.* Osmania University College opened, 1328 F.—1919.
22	28	W	
23	29	Th	
24	30	FRI	
25	31	S	
26	Sep.	Sun	
27	2	M	
28	3	Tu	
29	4	W	
30	5	Th	

ABAN 1338 F.—SEPTEMBER 1929 A.D.

Abn	Sep.	Days	
1	6	FRI	Translation Bureau founded, 18th Ziqada 1335 H., 1326 F.—1917.
2	7	S	*Ganesh Chauth.*
3	8	Sun	
4	9	M	
5	10	Tu	*Birthday of H.H. the late Nizam, 1283 H.*
6	11	W	
7	12	Th	
8	13	FRI	
9	14	S	
10	15	Sun	*Yazdahum Sharif.*
11	16	M	
12	17	Tu	*Anantachaturdasi.*
13	18	W	
14	19	Th	
15	20	FRI	
16	21	S	The Royal Charter of the Osmania University promulgated, 16th Zilhejja 1336 H., 1327 F.—1918.
17	22	Sun	
18	23	M	
19	24	Tu	
20	25	W	
21	26	Th	
22	27	FRI	
23	28	S	
24	29	Sun	
25	30	M	
26	Oct.	Tu	
27	2	W	
28	3	Th	
29	4	FRI	
30	5	S	

AZUR 1339 F.—OCTOBER 1929 A.D.

Az.	Oct.	Days	
1	6	Sun	
2	7	M	Osmania University Established, 1st Muharram 1337 H., 1328 F.—1918.
3	8	Tu	
4	9	W	
5	10	Th	
6	11	FRI	
7	12	S	} Dasehra.
8	13	Sun	
9	14	M	
10	15	Tu	
11	16	W	
12.	17	Th	
13	18	FRI	
14	19	S	
15	20	Sun	
16	21	M	
17	22	Tu	
18	23	W	
19	24	Th	
20	25	FRI	
21	26	S	
22	27	Sun	The Degree of Sultan-ul-Ulum presented to H.E.H. the Nizam, 1333 F.—1923.
23	28	M	
24	29	Tu	
25	30	W	
26	31	Th	} Divali.
27	Nov	FRI	
28	2	S	
29	3	Sun	
30	4	M	

DAI 1339 F.—NOVEMBER 1929 A.D.

Dai	Nov	Days	
1	5	Tu	
2	6	W	
3	7	Th	
4	8	FRI	
5	)	S	
6	10	Sun	
7	11	M	The Osmania University Regulations received the assent of His Exalted Highness, 29th Safaɪ 1339 H., 1330 F.—1920.
8	12	Tu	
9	13	W	
10	14	Th	
11	15	FRI	
12	16	S	
13	17	Sun	
14	18	M	
15	19	Tu	
16	20	W	
17	21	Th	
18	22	FRI	
19	23	S	
20	24	Sun	*Fateha Hazrat Abu Bakar Siddiq.*
21	25	M	
22	26	Tu	
23	27	W	
24	28	Th	
25	29	FRI	
26	30	S	
27	Dec.	Sun	
28	2	M	
29	3	Tu	H.E.H. the Nizam's Birthday, 1302 H.

BAHMAN 1339 F.—DECEMBER 1929 A.D.

Bah.	Dec.	Days	
1	4	W	
2	5	Th	
3	6	FRI	
4	7	S	
5	8	Sun	*Urus Hazrat Khawja Muinuddin Chishti.*
6	9	M	
7	10	Tu	
8	11	W	
9	12	Th	
10	13	FRI	
11	14	S	
12•	15	Sun	
13	16	M	
14	17	Tu	
15	18	W	
16	19	Th	} *Maula Ali Urus.*
17	20	FRI	
18	21	S	
19	22	Sun	
20	23	M	
21	24	Tu	
22	25	W	*Christmas Day.*
23	26	Th	
24	27	FRI	
25	28	S	} *Shab-i-Miraj.*
26	29	Sun	
27	30	M	
28	31	Tu	*Independence Day.*
29	Jan.	W	*New Year's Day.*
30	2	Th	

ISFANDAR 1339 F.—JANUARY 1930 A.D.

Isf.	Jan.	Days	
1	3	FRI	
2	4	S	
3	5	Sun	
4	6	M	
5	7	Tu	
6	8	W	
7	9	Th	
8	10	FRI	
9	11	S	
10	12	Sun	
11	13	M	*Til Sankarat.*
12	14	Tu	
13	15	W	
14	16	Th	} *Shab-i-Barat.*
15	17	FRI	
16	18	S	
17	19	Sun	
18	20	M	
19	21	Tu	*Urus Baba Sharfuddin Aulia.*
20	22	W	
21	23	Th	
22	24	FRI	
23	25	S	
24	26	Sun	
25	27	M	
26	28	Tu	
27	29	W	
28	30	Th	
29	31	FRI	
30	Feb.	S	

FARWARDI 1339 F.—FEBRUARY 1930 A.D.

Far.	Feb.	Days	
1	2	Sun	
2	3	M	*Basant Panchami.*
3	4	Tu	*Anniversary of H.H. the late Nizam.*
4	5	W	
5	6	Th	
6	7	FRI	*H.E.H. the Nizam ascended the throne, 1829 H.*
7	8	S	Last day for receiving applications for the Intermediate, B.A. and M.A. Examinations (Private candidates).
8	9	Sun	
9	10	M	
10	11	Tu	
11	12	W	
12	13	Th	
13	14	FRI	
14	15	S	Last day for receiving applications for the Matriculation Examination (Pupil and Private candidates).
15	16	Sun	
16	17	M	
17	18	Tu	
18	19	W	
19	20	Th	*Fateha Hazrat Ali.*
20	21	FRI	
21	22	S	
22	23	Sun	
23	24	M	
24	25	Tu	
25	26	W	*Muha Sivratri.*
26	27	Th	⎫
27	28	FRI	
28	Mar.	S	⎬ *Shab-i-Qadr.*
29	2	Sun	
30	3	M	⎭ *Id-ul Fitr.*
31	4	Tu	

ARDIBEHISHT 1339 F.—MARCH 1930 A.D.

Ard.	Mar.	Days	
1	5	W	⎤ *Id-ul-Fitr.*
2	6	Th	⎦
3	7	FRI	
4	8	S	Last day for receiving applications for the Intermediate B.A. and M.A. Examinations (College candidates).
5	9	Sun	
6	10	M	Last day for receiving applications for the First and Second Professional Examinations, M.B., B.S.
7	11	Tu	
8	12	W	
9	13	Th	
10	14	FRI	⎤ *Holi.*
11	15	S	⎦
12	16	Sun	
13	17	M	
14	18	Tu	
15	19	W	
16	20	Th	
17	21	FRI	
18	22	S	
19	23	Sun	
20	24	M	
21	25	Tu	
22	26	W	
23	27	Th	Last day for receiving applications for the B.T. Examination.
24	28	FRI	
25	29	S	
26	30	Sun	
27	31	M	*Ugadi.*
28	Apr.	Tu	
29	2	W	
30	3	Th	
31	4	FRI	

KHURDAD 1339 F.—APRIL 1930 A.D.

Khd	Apr.	Days	
1	5	S	
2	6	Sun	
3	7	M	*Sri Ramnaumi.*
4	8	Tu	
5	9	W	
6	10	Th	
7	11	FRI	
8	12	S	Intermediate, B.A., M.A., M. Sc. and First and Second Professional M. B., B. S. Examina-
9	13	Sun	tions begin.
10	14	M	
11	15	Tu	
12	16	W	
13	17	Th	
14	18	FRI	
15	19	S	
16	20	Sun	
17	21	M	
18	22	Tu	B.T. Examination begins. (Practical).
19	23	W	
20	24	Th	
21	25	FRI	
22	26	S	Matriculation Examination begins.
23	27	Sun	
24	28	M	
25	29	Tu	
26	30	W	
27	May	Th	B.T. Examination begins, (Theoretical).
28	2	FRI	
29	3	S	
30	4	Sun	
31	5	M	Last day for receiving applications for the LL.B. Examinations, (Previous and Final).

TIR 1339 F.—MAY 1930 A.D.

Tir	May	Days	
1	6	Tu	
2	7	W	
3	8	Th	
4	9	FRI	
5	10	S	
6	11	Sun	}*Id-uz- Zoha.*
7	12	M	
8	13	Tu	
9	14	W	
10	15	Th	
11	16	FRI	
12	17	S	
13	18	Sun	*Fateha Hazrat Osman Ghani.*
14	19	M	
15	20	Tu	
16	21	W	
17	22	Th	
18	23	FRI	
19	24	S	*Queen Victoria's Birthday,* 1819.
20	25	Sun	
21	26	M	
22	27	Tu	
23	28	W	
24	29	Th	
25	30	FRI	}*Fateha Hazrat Omar.*
26	31	S	
27	June	Sun	
28	2	M	}*Muharram.*
29	3	Tu	*H.M. the King Emperor's Birthday,* 1865.
30	4	W	
31	5	Th	

AMARDAD 1339 F.—JUNE 1930 A.D.

Amd	June	Days	
1	6	FRI	
2	7	S	⎫
3	8	Sun	⎬ *Muharram.*
4	9	M	
5	10	Tu	⎭
6	11	W	
7	12	Th	LL.B. (Previous and Final) Examinations begin.
8	13	FRI	
9	14	S	
10	15	Sun	
11	16	M	
12	17	Tu	
13	18	W	
14	19	Th	
15	20	FRI	
16	21	S	
17	22	Sun	
18	23	M	
19	24	Tu	
20	25	W	
21	26	Th	
22	27	FRI	
23	28	S	
24	29	Sun	
25	30	M	
26	July	Tu	
27	2	W	
28	3	Th	
29	4	FRI	
30	5	S	
31	6	Sun	

SHAHREWAR 1339 F.—JULY 1930 A.D.

Shr.	July	Days
1	7	M
2	8	Tu
3	9	W
4	10	Th
5	11	FRI
6	12	S
7	13	Sun
8	14	M
9	15	Tu
10	16	W
11	17	Th
12	18	FRI
13	19	S
14	20	Sun
15	21	M
16	22	Tu
17	23	W
18	24	Th
19	25	FRI
20	26	S
21	27	Sun
22	28	M
23	29	Tu
24	30	W
25	31	Th
26	Aug.	FRI
27	2	S
28	3	Sun
29	4	M
30	5	Tu
31	6	W

MEHIR 1339 F.—AUGUST 1930 A.D.

Mhr.	Aug.	Days	
1	7	Th	⎫ The Prophet's Birthday.
2	8	FRI	⎭
3	9	S	*Rakhi Punnam.*
4	10	Sun	
5	11	M	
6	12	Tu	
7	13	W	
8	14	Th	
9	15	FRI	
10	16	S	*Sri Krishna's Birthday.*
11	17	Sun	
12	18	M	
13*	19	Tu	
14	20	W	
15	21	Th	
16	22	FRI	
17	23	S	
18	24	Sun	
19	25	M	
20	26	Tu	
21	27	W	*Ganesh Chauth.* **Osmania University College opened, 1328F. —1919.**
22	28	Th	
23	29	FRI	
24	30	S	
25	31	Sun	*Birthday of H. H. the late Nizam,* 1283 H.
26	Sep.	M	
27	2	Tu	
28	3	W	
29	4	Th	
30	5	FRI	*Yazdahum Sharif.*

ABAN 1339 F.—SEPTEMBER 1930 A.D.

Abn.	Sep.	Days	
1	6	S	*Anantachaturdasi.* **Translation Bureau Founded, 18th Ziqada 1335 H., 1326 F.—1917.**
2	7	Sun	
3	8	M	
4	9	Tu	
5	10	W	
6	11	Th	
7	12	FRI	
8	13	S	
9	14	Sun	
10	15	M	
11	16	Tu	
12	17	W	
13	18	Th	
14	19	FRI	
15	20	S	
16	21	Sun	**The Royal Charter of the Osmania University promulgated, 16th Zilhejja 1336 H., 1327 F.—1918.**
17	22	M	
18	23	Tu	
19	24	W	
20	25	Th	
21	26	FRI	
22	27	S	
23	28	Sun	
24	29	M	
25	30	Tu	
26	Oct.	W	*Dasehra.*
27	2	Th	
28	3	FRI	
29	4	S	
80	5	Sun	

2. INTRODUCTION

THE Osmania University has come into existence in response to a wide-spread demand in the Dominions for a type of higher education calculated to satisfy the intellectual and cultural aspirations of the people and having its foundations deep in the national consciousness. For over half a century higher education in the State was controlled by the Madras University ; but the connection proved so unfructuous that enlightened public opinion in the State became averse to its continuation and proposals were mooted from time to time either to affiliate educational institutions in the State to another University or better still to have an entirely self contained system of higher education. These proposals continued to be discussed for a long time without taking a definite shape until the accession of the present ruler of the State, whose reign has been the starting-point of an era of unprecedented educational progress. Early in his reign an Educational Adviser was appointed to report on the improvements to be effected in the educational organization of the State and on his advice the whole system of Primary and Secondary education was overhauled, the number of schools was largely increased and all institutions were provided with better teachers and equipment. The question of higher education was then taken up and early in 1917 when Sir Akbar Hydari (Nawab Hydar Nawaz Jung Bahadur), Secretary to His Exalted Highness' Government in Educational Department, submitted a memorandum to His Exalted Highness in which after surveying the existing educational conditions and discussing the disadvantages of imparting knowledge through the medium of a foreign language he recommended that considering the peculiar needs and conditions of the State :—

"We require a new University free from the evils inherent in the present system and calculated to undo its deplorable effects. The University so founded shall be based on the fundamental principles of education, and shall take into consideration the peculiar needs of the people and their national characteristics. It shall preserve all that is best in the present and ancient systems of education. It should be both an examining and teaching body and in addition to this undertake to compile and translate books, using the Urdu language both for the imparting of knowledge and the training of the intellect."

In the course of this memorandum, Sir A. Hydari pointed out the inherent defects of the present system of education through the medium of a foreign language, such as the undue and unwarranted strain on the students' memory, the time wasted in mastering the intricacies of a foreign language at the sacrifice of the subject-matter taught, the stifling of originality and the inability of the graduates to impart knowledge to their fellow countrymen in their mother-tongue and the unbridgeable gulf thus created between the educated classes and the mass of the general public. He also referred to the two possible objections that might be urged against the selection of Urdu as the medium of instruction in the proposed University, firstly that the majority of the people spoke other languages and secondly the absence of good books in Urdu. As to the first it was pointed out that although it was true that those whose mother-tongue is Urdu are in a minority, yet Urdu is the cultural and official language of the State and of polite society, and is generally spoken by those classes from which students proceeding to a college course are drawn. Sir Akbar Hydari met the second objection by stating that if a Bureau of compilation and translation were attached to the University, books required for College Classes could be produced in a short time. His opinion has proved to be well-founded as the Bureau of Translation has, during this short period at present, produced almost all the books required as text-books for the Intermediate and the B.A. Classes and is engaged in the translation of books on Law, Medicine, Engineering and those required for M.A. & M.Sc. Classes. The capacity of Urdu as the vehicle for expressing scientific ideas is generally recognised. The well-known historian, Mr. Vincent A. Smith, bears testimony to this fact in the last chapter of his *History of India*. While welcoming the inauguration of the Osmania University, he says :—

> " The Urdu language which resembles English in simplicity and flexibility of its syntax and in the extraordinary wealth of its vocabulary drawn from Western Hindi, Sanskrit, Persian, Arabic, English and other sources should be capable of expressing ideas on any subject, literary, philosophical and scientific."

His Exalted Highness, whose deep and abiding interest in the advancement of education is well known, was graciously pleased to approve of the proposal and has ever since shown the greatest interests in the progress of the movement, which but for his princely generosity and sympathetic guidance could not have made any headway. The words of his gracious *Farman* dated the 4th Rajjab 1335 H. (Khurdad 1326 F.—April 1917) are well worth reproduction :—

> " I am pleased to express my approval of the views set forth in the Arzdasht and the memorandum submitted therewith, regarding the inauguration of a University

> in the State, in which the knowledge and culture of ancient and modern times may be blended so harmoniously as to remove the defects created by the present system of education and full advantage may be taken of all that is best in the ancient and modern systems of physical, intellectual, and spiritual culture. In addition to its primary object to diffuse knowledge, it should aim at the moral training of the students and give an impetus to research in all scientific subjects. The fundamental principle in the working of the University should be that Urdu should form the medium of higher education but that a knowledge of English as a language should at the same time be deemed compulsory for all students. With this object in view I am pleased to order that steps be taken for the inauguration, on the lines laid down in the Arzdasht, of a University for the Dominions, to be called the Osmania University of Hyderabad in commemoration of my accession to the throne."

In pursuance of the august commands of His Exalted Highness, the Educational Department at once proceeded with the preliminary spade-work necessary for the launching of this great project. Representative Committees were formed to consider courses of studies for the Faculties of Arts and Theology of the proposed University, and the draft curricula prepared by these Committees were circulated widely in educational circles in England and in India with the result that the promoters of the University had the satisfaction of seeing that their conclusions were more or less approved of by eminent educational authorities.

The main features of these curricula are that in the Matriculation, the subjects have been divided into two groups, so that students can have a good grounding in the subjects which they will study at College. In the Intermediate Examination, a greater latitude has been given in the selection of subjects than in other Indian Universities, whilst at the same time the subjects have been so grouped as to enable a student to take up more or less cognate and allied subjects. This division of subjects into distinctive groups makes intensive study possible in the B. A. Classes since, besides English and Theology or Morals which are compulsory, a student can take up only one particular subject in which he can specialise and later carry on research work. It may also be noted that Theology or Morals is compulsory throughout the College course.

The standard of compulsory English is nearly the same as in other Universities, which enables the *alumni* of the Osmania University to keep in touch with the currents of thought in the English-speaking world and prevents them from

being confined to the publications of the University. They
are also encouraged by the staff to consult English books on
the various subjects from which questions are set to them to
criticise and to explain. English is taught only as a language,
so that the students may be able to speak and write it with
ease and accuracy and to appreciate all that is best in modern
English Literature.

The first constructive work of the University was the
establishment of a Bureau of Translation with a staff of eight
qualified translators under the direction of a noted scholar and
writer. The Bureau has been very successful in its work consider-
ing the immense difficulties in the way, specially in the coining
of scientific terms for which expert committees are constantly at
work and have devised a terminology for a number of sciences.
It was in the beginning a temporary institution ; but in view of
its importance to the work of the University, His Exalted Highness
was pleased to extend its term of life for ten years. The work
attempted by the Bureau embraces the whole range of University
studies including History (Eastern and Western, Ancient and
Modern), Philosophy, Economics, Mathematics (Pure and Applied),
Physics, Chemistry, Law, Botany and Zoology, Engineering and
Medicine. The books translated by the Bureau were printed at
the Government Central Press where a special staff was retained
for University work ; but as it was situated at a considerable
distance from the University buildings it was subsequently
transferred to the Bureau. The Dairat-ul-Maarif (Oriental
Publication Bureau) which publishes rare Arabic books not avail-
able in print has recently been placed under the control of the
University. The services rendered by this institution to the
cause of Arabic learning have been universally recognised not
only in Islamic countries but also by European Orientalists.

Under the Charter, the constitution of the University, which
has been framed to suit local conditions of official and public life,
differs in some respects from that of the older Indian Univer-
sities. Academic and administrative functions are vested in
distinct bodies specially constituted for these purposes. With
this object the Faculties have been so constituted as to perform
academic functions, which in many Indian Universities are
performed by the Syndicate. The number of fellows appointed
to the Faculties is restricted, so that all members of the Senate
do not necessarily belong to one or other of the Faculties, which
consist mainly of the professorial staff, who have a preponder-
ating voice in academic matters. The Syndicate is on the other
hand a business and not an academic Committee of the Senate.
The Executive Government of the University including the
general supervision and control of the colleges is vested in the
Council, which is the highest governing body of the University

and practically performs most of the functions of Government in British Indian Universities.

The Osmania University College which is at present the only constituent college of the University was opened in August 1919. The enrolment in the various classes has been most encouraging and the College has now nearly 521 students on its rolls. The first Intermediate Examination was held in April 1921, and the first B. A. Examination in 1923. As there is more than one paper in every subject it has been found possible to have external examiners in all subjects, who are generally professors in other Universities. They have expressed satisfaction with the standard reached by the students. It may be noted that the University does not experience any difficulty in securing the services of highly qualified examiners from other Universities, as Urdu is a language widely known in every part of India specially in the North.

A staff of three Professors and ten Assistant Professors was originally sanctioned to meet the requirements of an Intermediate College, but in view of the opening of the B. A and subsequently the M. A., M.Sc. and LL. B. classes a number of new appointments have been created and the sanctioned staff of the Osmania University College now consists of the following :—

1	Principal	..	Rs.	1,250–50–1,500
18	Professors	..	,,	500–50–1,000
1	Professor	.. B.G.	,,	1,500
26	Assistant Professors		,,	350–25–600
18	do		,,	250–15–400
3	Demonstrators	..	,,	250–15–400
1	Librarian	..	,,	250–15–400

The College is at present housed in eight large and commodious buildings situated in a healthy quarter of the city ; but the authorities are not satisfied with the present conditions under which there is little scope for expansion. An extensive plot of land about 1,400 acres in area has been approved of by His Exalted Highness for the University buildings. His Exalted Highness' Government are prepared to make the buildings worthy of the name of its illustrious founder, and for this purpose a sum of nearly a crore of rupees is proposed to be spent.

The University started with provision for instruction in Theology, Arts and Science but to furnish opportunities for professional training to its graduates and undergraduates a Law Class was opened in August 1923. The translation of Engineering and Medical books has been taken in hand. The first year M.B., B.S. class of the University College of Medicine was opened in July 1927 and the College of Engineering and the Teacher's Training College in 1929.

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The increasing number of students in the Intermediate classes in the University College has led to the opening of Intermediate colleges in the City High School Hyderabad and at Aurangabad and Warangal. Intermediate classes were also attached to the Zenana School, Nampalli. Degree courses have now been introduced into this institution, so as to bring the blessings of higher education within the reach of pardah ladies.

The budget provision for the various Departments of the University for the year 1340 Fasli (October 1930 to October 1931) is as follows :—

		Rs.
Registrar's Office	..	1,08,455
Osmania University College	..	6,67,521
Zenana College	..	27,295
Medical College	..	1,36,645
Training College	..	19,312
Engineering College ..	..	1,72,684
City Intermediate College	..	50,592
Aurangabad Intermediate College	..	47,630
Warangal Intermediate College ..	..	25,946
Translation Bureau ..	..	2,60,190
University Press	..	1,19,909 .
Nizamiah Observatory	..	39,675
Total	..	16,75,854

3. THE OSMANIA UNIVERSITY

Patron

HIS EXALTED HIGHNESS
LIEUTENANT-GENERAL, SIPAH SALAR, ASIFJAH,
MUZAFFAR-UL-MULK WAL MAMALIK,
NIZAM-UL-MULK, NIZAM-UD-DAULAH,
NAWAB SIR MIR OSMAN ALI KHAN BAHADUR,
FATEH JUNG,

FAITHFUL ALLY OF THE BRITISH GOVERNMENT,
G.C.S.I., G.B.E., NIZAM OF HYDERABAD,
SULTAN-UL-ULUM.

Chancellor

MAHARAJA SIR KISHAN PERSHAD BAHADUR, YAMIN-US-SALTANAT
G.C.I.E.

Vice-Chancellor

NAWAB WALI-UD-DAULAH-BAHADUR.

University Council
Ex-Officio.

The Chancellor.

The Vice-Chancellor.

The Ecclesiastical Member, Executive Council (Nawab Lutfud-Daulah Bahadur).

The Finance Member, Executive Council (Sir Akbar Hydari Nawab Hydar Nawaz Jung Bahadur, B.A., LL.D.).

The Secretary, Educational Department (Nawab Akbar Yar Jung Bahadur).

The Director of Public Instruction (Khan Fazl Muhammad Khan Esq., M.A., (Cantab.).

The Principal, Osmania University College (Muhammad Abdul Rahman, Khan Esq., B.A., B.SC. (London).

The Principal, Medical College [Major Farhat Ali B.A., M.B., ch.B. (Edin.].

The President, Engineering College (Nawab Ali Nawaz Jung Bahadur, F. C. H.).

The Principal, Zenana College [Miss A. Pope, M. A., (London)],

The Principal, Osmania Training College (Muhammad Hafizullah, Esq., B. A. B. T.)

Appointed by Government

(Dai 1338 *Fasli to Dai* (1840 *Fasli).*

Lt.-Col. Sir R. H. Chenevix Trench, C.I.E., (Revenue Member Executive Council).

Nawab Jivan Yar Jung Bahadur.

(Shahriwar 1339 *Fasli to Shahriwar* 1341 *Fasli).*

Nawab Mehdi Yar Jung Bahadur, M.A. (Oxon.).

Col. J. Norman Walker, I.M.S.

REGISTRAR

H. A. Ansari, Esq., B.A.

THE SENATE.
Members of the University Council.

1. The Chancellor.
2. The Vice-Chancellor.
3. The Ecclesiastical Member, Executive Council (Nawab Lutfud-Daulah Bahadur).
4. The Finance Member, Executive Council (Sir Akbar Hydari Nawab Hydar Nawaz Jung Bahadur, B.A., LL.D.).
5. The Secretary Educational Department (Nawab Akbar Yar Jung Bahadur).
6. The Director of Public Instruction (Khan Fazl Muhammad Khan, Esq., M.A., (Cantab.).
7. The Principal Osmania University College (Muhammad Abdul Rahman Khan, Esq., B.A., B.SC., (London).
8. The Principal Medical College (Major Farhat Ali, B.A., M.B., ch.B.).
9. The President Engineering College (Nawab Ali Nawaz Jung Bahadur, F.C.H.).
10. The Principal Zenana College [Miss A Pope, M. A (London)].
11. The Principal Training College (Md. Hafizullah, Esq., B. A., B. T.).
12. Lt.-Col. Sir R. H. Chenevix Trench, C.I.E.
13. Nawab Jivan Yar Jung Bahadur.
14. Nawab Mehdi Yar Jung Bahadur, M.A. (Oxon.).
15. Col. J. Norman Walker, I.M. S.

UNIVERSITY PROFESSORS.
Osmania University College.

16. Qazi Muhammad Husain, Esq., M.A., (Punj.) B.A., LL.B., (Cantab.).
17. Mirza Hosain Ali Khan, Esq., B.A., (Oxon.).
18. Haroon Khan Sherwani, Esq., M.A., (Oxon.).
19. Wahidur Rahman, Esq., B.SC.
20. Khalifa Abdul Hakim, Esq., M.A., LL.B., ph.D. (Heidelberg).
21. Maulvi Abdul Haq Sahib, B.A.
22. Maulvi Abdul Qadir Sahib.
23. Muhammad Ilyas Burney, Esq., M.A., LL.B.
24. Kishen Chand, Esq., M.A., (Cantab.).
25. E. E. Speight, Esq., B.A., (London).
26. Muzaffaruddin Quraishi, Esq., M.SC., ph.D., (Berlin).
27. Sayyid Abdul Latif, Esq., B.A., ph.D., (London).
28. Hosain Ali Mirza, Esq., Bar.- at-Law.
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39. Babu Lalit Mohan Mukarji, B.A., C.E.

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44. Nawab Nazir Jung Bahadur.
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64. Sajjad Mirza, Esq., M.A. (Cantab.).

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66. Mahmud Ahmad Khan, Esq., B. sc.

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4. The Director of Public Instruction, [(Khan Fazl Muhammad Khan, Esq., M.A. (Cantab.)].
5. The Principal, Osmania University College, [Muhammad Abdul Rahman Khan, Esq., B.A., B.SC., (London)].
6. The Principal Medical College, [Major Farhat Ali, B.A., M.B., ch. B. (Edin.)].
7. The Secretary Engineering College.

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3. Nawab Muhammad Yar Jung Bahadur.
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7. Mufti Abdul Latif Sahib.
8. Maulvi Abdul Qadir Sahib.
9. Maulvi Manazir Ahsan Sahib Gilani.
10. Maulvi Ghulam Nabi Sahib.
11. Maulvi Abdul Wasay Sahib.
12. Maulvi Mustafa Qadri Sahib.
13. Maulvi Sayyid Ibrahim Sahib.
14. Nawab Akhtar Yar Jung Bahadur

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14. Pandit Hari Har Shastri.
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16. Sayyid Abdul Latif. Esq., B.A., PH.D. (London).

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2. Secretary, Judicial Department (Nawab Akbar Yar Jung Bahadur).
3. Legal Adviser (Nawab Hashim Yar Jung Bahadur, M.A., LL.B.).
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5. Principal, Osmania University College [Muhammad Abdul Rahman Khan, Esq., B.A., B.SC., (London)].
6. Haroon Khan Sherwani, Esq., M.A. (Oxon.).
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8. Professor of Law, (Hosain Ali Mirza, Esq., Barrister-at-Law).
9. Asst. Professor of Law (Mir Akbar Ali Musavi, Esq., B.A., LL.B., (Bombay).
10-12. Part-Time Lecturers.

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9. The Professor of Physics, Osmania University College.
10. The Professor of Chemistry,   do   do   do
11. The Professor of Mathematics, do   do   do
12. Muhammad Abdul Rahman Khan, Esq., B.A., B.SC. (London).

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6. Asst. Professor of Mechanical Engineering, Osmania Technical Institute.
7. Asst. Professor of Electrical Engineering, Osmania Technical Institute.

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7

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18. Habibur Rahman, Esq., M.A., LL.B.   *and Sociology.*
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20. Wahajuddin, Esq., B.A., B.T.

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5. Pandit Hari Har Shastri.
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7. Maulvi Manazir Ahsan Sahib Gilani.

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Chancellors.

1328-1329 F. (1918-1919)	The Prime Minister.
1330 Fasli (1920 A.D.)	Sir Sayyid Ali Imam. K.C.S.I.
1331 Fasli (1922 A.D.)	Nawab Sir Faridoon Mulk Bahadur, K.C.S.I., C.S.I., C.B.E.
1333 Fasli (1924 A.D.)	Nawab Wali-ud-Daulah Bahadur.
1336 Fasli (1926 A.D.)	Maharaja Sir Kishan Pershad Bahadur, Yamin-us-Saltanat, G.C.I.E

Vice-Chancellors.

1328 Fasli (1918 A.D.)	Maulvi Habibur Rahman Khan Sahib Sherwani (Nawab Sadar Yar Jung Bahadur).
1330 Fasli (1920 A.D.)	Nawab Wali-ud-Daula Bahadur.
1333 Fasli (1924 A.D.)	Educational Member, Executive Council.
1336 Fasli (1926 A.D.)	Nawab Wali-ud-Daulah Bahadur.

Secretaries, University Council.

1328 Fasli (1918 A.D.)	A. Hydari, Esq., B.A., (Nawab Sir Hydar Nawaz Jung Bahadur).
Far. 1329 F. (F b 1920)	Sayyid Ross Masood, Esq., B.A., (Oxon.), Barrister-at-Law, (Nawab Masood Jung Bahadur).
Khd. 1329 F. (April 1920)	A. Hydari, Esq., B.A., (Nawab Sir Hydar Nawaz Jung Bahadur).
1330 Fasli 1921 A.D.)	Nawab Zulqadar Jung Bahadur M.A., (Cantab.)
1332 Fasli (1922 A.D.)	Nawab Akbar Yar Jung Bahadur
1336 Fasli (1927 A.D.)	Nawab Zulqadar Jung Bahadur, M.A., (Cantab.). Barrister-at-Law.
1338 Fasli (1929 A.D.)	Nawab Akbar Yar Jung Bahadur.

Registrars.

1328 Fasli (1919 A.D.)	Sayyid Mohiuddin, Esq., B.A., Barrister-at-Law
1329 Fasli 1920 A.D.)	H. A. Ansari, Esq., B.A.

5. THE ROYAL CHARTER

Whereas the prosperity and well-being of our devoted and loyal subjects are the objects of our most earnest solicitude, and whereas these objects can be secured only when the existing organisation of education in our Dominions is freed to an appreciable extent from the control of outside Universities, and higher education is organised within the State, with reference to local needs and conditions ; We are pleased to order :—

1. *that a University called the Osmania University be established at Hyderabad on the first day of Muharram 1337 Hijri.*

2. *the object of the Osmania University is to impart higher education, and further research in and promote the study of religion, morals, literature, philosophy, science, history, medicine, law, agriculture, commerce, and other branches of useful knowledge, and useful arts and industries.*

3. *the chief characteristic of the Osmania University will be that instruction will be imparted in all branches of learning through the medium of the Urdu language while a study of the English language and literature will be compulsory.*

4. *The University shall have power—*

(a) *to provide for instruction in all such branches of learning as the University may decide and also for research, and for the advancement and dissemination of knowledge.*

(b) *to grant to and confer degrees and other academic distinctions on persons who shall have pursued a prescribed course of study in, and passed the examinations held by the University.*

(c) *to grant diplomas, certificates or other distinctions to persons who have pursued a course of study under conditions approved by the University.*

(d) *to admit graduates of other Universities to degrees of the same or similar rank.*

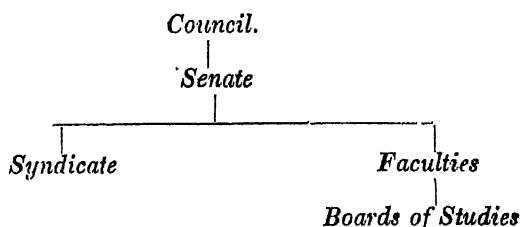(e) *to confer honorary degrees, or other distinctions.*

(f) *to withdraw or cancel degrees, diplomas, certificates or other distinctions granted or conferred, and*

(g) *to exercise all such other powers and to do all such other acts as may be required in order to further the objects of the University and to carry on its work.*

5. *The University shall be able and capable in law to take, purchase, and hold any property movable or immovable which may become vested in it for the purpose of the University by purchase, grant, testamentary disposition or otherwise, and shall be able and capable in law to grant, demise, alien or otherwise dispose of, all or any of the property, movable or immovable belonging to the University ; and also to exercise such other powers and do other acts incidental or appertaining to a body corporate.*

6. *The University shall be able and capable to establish colleges on its initiative, or to exercise all of its powers with regard to colleges founded for it or transferred to its control, or to those to which it recognises as colleges, and all these shall be deemed to be its constituent colleges.*

7. *The organization of the University will be as follows :—*

Council.
|
Senate
|

Syndicate   *Faculties*
|
Boards of Studies

8. *We shall be pleased to be the Patron of the University, and the other officers and executive bodies shall be as follows :—*

(1) The Chancellor.—*The Chancellor shall be the highest controlling authority of the University and may at any time direct an inspection and supervision of the University institutions, including buildings, laboratories and other appurtenances generally, and to direct the inspection of one or all of these for the purpose of seeing that the proceedings of the University are in conformity with this Charter and the rules framed thereunder.*

The Chancellor may also by order in writing annul any proceedings which is not in his opinion in conformity with this Charter and the rules framed thereunder.

His Excellency the Minister shall be the ex-officio Chancellor of the University.

(2) The Vice-Chancellor.—*The Assistant Minister of Education or the officer charged with the administration of the University shall be the Vice-Chancellor of the University and he shall take rank in the University next to the Chancellor.*

He shall exercise general supervision over the educational arrangements of the University, and it shall be his duty to see that the provisions of this Charter and the rules framed thereunder are faithfully observed.

If any emergency arises the Vice-Chancellor shall be empowered to pass such orders or to take such action as he deems necessary and intimate the fact to the officer who in the ordinary course would have dealt with the matter.

(3) The Council.—*The Executive Government of the University including the general superintendence and control over the Constituent Colleges shall be vested in the Council ; provided that the Government may by rules framed in this behalf from time to time reserve to themselves such powers relating to the appointment, punishment, removal and leave of the officers as they may deem fit.*

The Council shall consist of not less than nine and not more than eleven members excluding principals of Constituent Colleges and shall comprise :—

   (i) *His Excellency the Minister.*

   (ii) *The Assistant Minister, Education, or the Officer charged with the Administration of the University.*

   (iii) *The Assistant Minister, Ecclesiastical Department.*

   (iv) *The Assistant Minister of Finance.*

   (v) *The Secretary to Government, Education Department.*

   (vi) *The Director of Public Instruction.*

   (vii) *The Principals of Constituent Colleges.*

   (viii) *The remaining members appointed by the Government.*

The Secretary to the Government, Education Department will be the Secretary to the Council.

(4) The Senate.—*The Senate shall, subject to this Charter and the rules framed thereunder, have the entire charge of the organization of instruction in the University and the Constituent Colleges, the curriculum, and the examination and discipline of students and the conferment of ordinary and honorary degrees.*

The Senate shall consist of such number of members not less than forty and not more than seventy as may be fixed from time to time by the Chancellor. Such members shall be styled Fellows and shall hold office for a term of two years and their powers and duties shall be set forth in detail in the rules.

The first members of the Senate shall be appointed for that period by Government.

After the lapse of the said term of two years, the Senate shall be ⁔mposed of—

(a) *The Vice-Chancellor and the other members of the Council mentioned in Section (3).*

(b) *The University Professors.*

(c) *Four members elected by the Senate, two from the list of registered graduates and two from members of the Faculties.*

(d) *The remaining members nominated by the Chancellor provided that the election and nomination of persons as Fellows shall be so regulated as to secure in the Senate a majority of persons connected with or following the profession of education.*

(5) The Syndicate.—*The Syndicate will be the business committee of the Senate and will consist of not less than 5 nor more than 7 members of the Senate, and its powers and duties shall be set forth in detail in the rules.*

(6) Faculties.—*These will be academical Committees of the Senate, entrusted with the framing of curricula and arranging for examinations and other matters. These Committees will be appointed from time to time in accordance with rules framed hereafter, and for each branch of knowledge there will be a separate Faculty. The University shall include at present the Faculties of Arts and Theology.*

Each Faculty shall be composed of not less than 12 nor more than 16 members of whom at least two in excess of half the number shall be from the Professors of the University.

Each Faculty shall elect from among its members a Dean.

A Faculty shall have power to consider and report on any matter referred to it by the Senate or by the Council.

(7) Boards of Studies.—*There shall be a Board of Studies in Theology and for every branch of knowledge.*

The members of the Board shall be recommended by the Faculties to the Senate and on its recommendation appointed by the Council and shall consist of University Professors and other persons possessing special knowledge of the subjects dealt with by the Boards to which they are appointed.

The duties of the Boards shall be to recommend to the Faculties text-books for study and for translation, courses of study and examiners in their respective departments

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*and generally to advise in all matters referred to them
by the Council or by the Faculty to which they belong.*

(8) Board of Audit.—*This Board will be empowered to audit
all the accounts of the University and of its property, etc.
It shall be appointed every year by the Senate and
shall consist of three Fellows not being members of the
Council. The accounts of the University shall also be
audited on behalf of Government every year, by an officer
appointed for the purpose by Government, the interval
between each audit being not more than 15 months.*

*The Government auditor shall have access to all the accounts
and offices of the University.*

(9) Registrar.—*The Registrar shall also be Secretary to the
Senate and the Syndicate. The Registrar may be a
member ' of the Senate or Syndicate but shall not be
member of the Council.*

*The Registrar shall be appointed by Government on the
recommendation of the Council but the first Registrar
shall be appointed by Government.*

(10) Other persons and bodies in the rules in force.

9. *The Council may, subject to the provisions of this Charter
and the rules in force, appoint Committees consisting of Fellows of
the University and also, if the Council think fit, of persons who
are not fellows of the University, and may delegate to such Com-
mittees such duti s as they think fit, as regards administrative or
other matter, affecting the University or any particular Faculty or
Department, or the management or supervision of any building or
the property of the University.*

*Th' Senate, the Fa ulties and the Boards of Studies, shall be
similarly empowered to appoint such committees within their res-
pective spheres.*

10. *The University shall, in the discharge of its function,
use a seal, the design of which has been approved by us.*

11. *Subject to the provision of this Charter and the rules in force
the Council may from time to time make any rules and regulations
required for carrying out all or any of the purposes of this Charter.*

*The Council may from time to time make additional rules or
amend or repeal the rules in force, but all new rules and additions
to the rules and all amendments and repeals of the rules shall,
before they come into effect, requir the previous approval of the
Government who will be empowered to pass suitable orders thereon.*

The first rules shall be framed and enforced by Government.

12. *The Senate shall have power to draft and propose to the
Council rules to be made by the Council and it shall be the duty of
the Council duly to consider the same.*

. 13. *All grants made by Government from time to time and all sums paid or endowments made by private persons or local authorities, for the purposes of the University shall form a fund styled " the University Fund " which shall be at the disposal of the University to be employed for any of the purposes set forth in this Charter.*

14. *The Council shall have prepared and laid before the Senate every year, accounts of receipts and expenditure of the University. The budget after consideration by the Senate shall be submitted to Government and it shall be competent to Government to pass suitable orders on it.*

15. *The duties and powers of the University and its executive officers and bodies shall be set forth in further detail in the rules.*

(By Order)

A. HYDARI,

SECRETARY TO GOVERNMENT,

Judicial, Police & General Departments.

6. REGULATIONS OF THE OSMANIA UNIVERSITY.

CHAPTER I.

PRELIMINARY DEFINITIONS.

Definitions.—In these rules unless there is something repugnant to the subject or context :—

" THE CHARTER " means the " ROYAL CHARTER " dated the 16th Zilhijja 1336 Hijri.

" CLEAR DAYS " means a period exclusive of both the first and last days.

" THE JARIDAH " means the Jaridah-i-Ailamia Sarkar-i-Ali, *i.e.*, His Exalted Highness the Nizam's Government Gazette.

" THE RULES " means the rules of the Osmania University for the time being in force.

" THE UNIVERSITY " means the Osmania University.

" RESOLUTION " means an original Proposal.

" MOTION " means any proposal moved either in the shape of a resolution or amendment.

All words or expressions used in these Rules and defined in the Charter shall invariably bear the signification established by these definitions.

Notices.—Any notice, intimation or information required to be given, and any paper, minutes or proceedings required to be sent, to any person under the Rules shall, unless otherwise provided, be considered as despatched if it is sent to the address of that person, or forwarded by post.

Addresses.—Every Fellow of the University shall give an intimation of his address or change of address to the Registrar who shall keep a record in his office of the addresses of all Fellows. The last address communicated to the Registrar shall be deemed the correct address in each case.

CHAPTER II.

THE VICE-CHANCELLOR.

1. The Vice-Chancellor shall have the power to convene meetings of the Council and the Senate and to perform all such acts as may be necessary to carry out or further the object of the Royal Charter and the rules thereunder.

2. If an emergency arises which in the opinion of the Vice-Chancellor requires immediate action, the Vice-Chancellor shall take such steps as he deems necessary and report the fact to the authorised officer who, in ordinary course, would have dealt with the matter.

3. In matters which are not touched upon in the Royal Charter or the Rules and in which he considers a reference to Government necessary, the Vice-Chancellor may make such reference to Government on such matters.

CHAPTER III.

THE COUNCIL.

4. The nominated members of the Council shall hold office for a term of three years. Such memberships as fall vacant from time to time will be filled up by the Government. A member of the Council whose term has expired shall be eligible for re-nomination.

5. The Council shall submit to Government without delay copies of the proceedings of the Senate.

6. The Council shall meet ordinarily once a month and at other·times when convened by the Vice-Chancellor. The Vice-Chancellor or in his absence, the senior member present, shall preside at the meetings.

7. Half the number of members shall constitute a quorum, fractions being counted as whole numbers. All questions shall be decided by a majority of votes of the members present.

8. In accordance with the provisions of the Royal Charter and the Rules made in pursuance thereof, the Council shall, in addition to the powers vested in it, also exercise the following powers, *viz* :—

   (*a*) To determine from time to time the number of professors, assistant professors, etc., and other members of the teaching staff and the office establishment of the University and its constituent colleges.

   (*b*) In the case of appointments within their power of disposal, to delegate, subject to the general control of the Council, the power of appointment to such authority or authorities as the Council may from time to time by general or special resolution direct.

   (*c*) To organise and regulate the finances, accounts, investments, property, business matters, and all other administrative work of the University and for that purpose to appoint such agents as they may think fit.

   (*d*) To invest any money belonging to the University including any unutilized income in stocks, funds, shares

and securities or in the purchase of immovable property and to alter such investments from time to time.

(*e*) To transfer or accept transfer of any movable or immovable property on behalf of the University.

(*f*) To provide buildings, lands, furniture and apparatus and other accessories needed for carrying on the work of the University.

(*g*) To enter into, alter, and cancel, contracts on behalf of the University.

(*h*) To entertain, adjudicate upon and redress any grievances of the professors, the teaching staff, the graduates the undergraduates and the University servants, who may for any reason feel aggrieved.

(*i*) To maintain a register of donors to the University.

(*j*) To draft rules as and when they see fit and submit the same to the Government for consideration and approval.

The following additional powers were delegated to the Council in accordance with His Exalted Highness the Nizam's Firman, dated the 20th Rajab 1340 Hijri, 16th Ardibahisht 1331 F.—-20th March 1922 :—

(1) To transfer any expenditure from one sub-head to another.

(2) To sanction all kinds of leave to such officer, whose leave the Principal, the Registrar or the Curator is not authorised to sanction, and also to cancel the same.

(3) To sanction *amal-i-taynati* from one office of the University to another.

(4) To change the designation of any non-gazetted appointment.

(5) To sanction arrears of pay or travelling allowance due to an officer of the University for any period.

(6) To depute officers of the University to places outside the Dominions to attend Scientific Conferences, to study the working of other Universities or to purchase stores or apparatus for the University or for any other purpose in the interests of the University.

(7) To sanction the payment of full salary to the officiating officer, when the permanent incumbent avails of extraordinary leave.

(8) To commute absence without leave into leave of any kind to which an officer is entitled under the Rules,

provided the period of absence does not exceed six months.

(9) To sanction furlough (*rukhsat-i-khangi*) to officers of the University up to a limit of three years for purpose of study irrespective of the length of their services.

(10) To sanction holidays and vacations for the colleges and offices of the University or to close the colleges and offices during epidemics.

(11) To sanction rates of remuneration for books translated on piece-work.

(12) To sanction extension in the services of officers of the University up to a limit of 60 years.

(13) To start a newly appointed officer on a salary above the minimum pay of the grade.

(14) Notwithstanding anything to the contrary in Articles 113 and 117 of the Civil Service Regulations, the Council of the Osmania University will be competent to sanction allowances for plural appointments in the colleges or offices of the University subject to the general condition that the cost of these arrangements should on no account exceed the provision in the budget for the appointments.

. *N. B.*—If the Financial Member differs in any financial matter from the view taken by the majority the case shall be referred to Government.

CHAPTER IV.

1. THE SENATE.

9. In accordance with the provisions of Section 8 (1, 2, 3, 4, 5 and 6 of the Charter) dated 16th Zilhijja 1336 Hijri (22nd September 1918), the Chancellor, the Vice-Chancellor, the Secretary to Government, Education Department, the Director of Public Instruction, the Councillors, the Deans of the Faculties of Theology and Arts and the Fellows of the University, shall have seniority and precedence first, in the order above specified down to the Deans; and secondly, according to their official precedence in the case of *ex-officio* Fellows and thirdly, in the case of the remaining Fellows according to the sequence of their original appointments.

10. The election of members shall be subject to the approval of the Chancellor.

11. The Chancellor may, on the representation of two-thirds of the members of the Senate, cancel the appointment of any person as a Fellow of the University, and as soon as such cancellation is notified in the *Jarida*, the said person shall cease to be

a Fellow. When a member is charged with gross misbehaviour unfitting for his office, the Senate will hear him or any other member nominated by him on his behalf before reporting the matter to the Chancellor.

12. Every Fellow elected and nominated under the Rules shall be eligible for re-election or nomination at the close of his term of office.

13. All casual vacancies among elected members shall be filled up by the body which elected the member who held the vacant membership.

2. POWERS OF THE SENATE.

14. In accordance with the provisions of the Royal Charter and Rules made in pursuance thereof, the Senate shall among other powers also have the following powers :—

(a) To discuss and declare an opinion on any matter whatsoever relating to the University.

(b) To suggest to the Council the removal of any professor or teacher of the University or the appointment of additional professors or other teachers.

(c) To formulate, modify or revise schemes for the organization of the Faculties of the Universty and to assign to such Faculties their respective subjects and also to report to the Council regarding the expediency of the abolition, amalgamation or sub-divisoin of any Faculty.

(d) To institute and confer such degrees and grant such Diplomas, Licenses, Certificates, and other distinctions in respect of courses of study and examination as may be prescribed in the Rules.

(e) To make rules regarding the academic apparel of graduates, holders of distinctions and officers of the University.

(f) To fix, subject to conditions made by the founder and accepted by the University the rules and regulations, the terms of competition for fellowships, scholarships and other prizes and to award the same.

(g) To report in any matter transferred or delegated to them by the Council.

(h) To promote research within the University and to call for reports on the subject from time to time.

(i) To maintain a Register of Graduates.

3. MEETINGS OF THE SENATE.

15. The Senate shall meet ordinarily once a year in the month of Amardad. If deemed necessary by the Vice-Chancellor, meetings may be convened at other times also. A copy of the proceedings of such meetings must be sent to the Council.

16. The Vice-Chancellor shall convene a meeting of the Senate on the requisition of any six Fellows.

17. Twenty members shall constitute a quorum and all questions shall be decided by a majority of votes of the members present.

18. Any member of the Senate shall be empowered to bring forward a resolution dealing with any matter pertaining to the proceedings of the Faculties or of the Syndicate or with any question concerning the budget or otherwise connected with the affairs of the University. Such resolution, if carried, shall be forwarded to the Council and the Council shall inform the Senate in due course of the action taken. Should the Senate be not satisfied with or disapprove of the course of action adopted by the Council, it shall have power to make a representation to Government on the subject.

19. Such proposals and amendments only as are immediately connected with the Osmania University and are in accordance with the Royal Charter shall be entertained and debated in the Senate.

4. THE CONVOCATION.

20. A convocation for conferring degress shall be held on the fourth Monday in Azur or if that day happens to be a holiday, on the next working day, or on such other graduation day as may be appointed by the Chanceller or Vice-Chancellor.

21. Persons entitled to degrees and desirous of being admitted must apply in writing 10 days previously to the Registrar who will communicate their names together with the necessary certificates to the respective Deans of Faculties for submission to the Senate on the next graduation day.

22. The Senate will on the motion of the Dean of each Faculty or in his absence, the senior member of the Faculty respectively pass the necessary graces in that behalf and the persons so approved shall be presented to the Chancellor or Vice-Chancellor successively, the graduates in the Faculty of Theology taking precedence of those in Arts.

23. In special cases and at the discretion of the Syndicate candidates who have passed the examinations may be permitted to take their degrees in *Absentia* on payment of an extra fee of Rs. 10.

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5. NOTICE AND PROCEDURE.

24. Sixteen clear days before the day fixed for a meeting of the Senate, the Registrar shall forward to each member of the Senate a statement of all business to be brought before the meeting and containing the full text of each resolution proposed to be put before the Senate with the name of the proposer of each, a written intimation of which has previously been received by the Registrar. The inclusion of a report of any committee of the Senate in the Agenda paper shall be held to be equivalent to notice of a motion, for its adoption. Notice in writing of proposed amendments and the terms thereof and of motions for any change in the order of business as set forth in the statement must be forwarded so as to reach the Registrar five clear days before the meeting. The Registrar shall, two clear days before the meeting, forward to each member of the Senate a statement of all motions and amendments, and no motion or amendment of which such previous notice has not been given, shall be put to the meeting. The following motions may, however, be proposed without a previous entry in the Agenda paper :—

(a) A motion for dissolution, adjournment or suspension of the sitting to pass to the next business on the Agenda paper.

(b) A request to the Council to reconsider a question ; or a direction to the Syndicate to review their decision.

(c) A motion remitting the matter under consideration to the Syndicate or to Faculty for report, or

(d) An amendment admitted by the Chairman as purely formal.

6. ORDER OF BUSINESS.

25. The members shall, before they take their place, register their attendance in a book placed for the purpose at the entrance of the place of meeting.

26. Fifteen minutes after the time prescribed for the meeting, the Chairman shall ascertain whether there are twenty members present ; if this number be not present, the meeting shall forthwith be adjourned to such a date as the Chairman may fix. Such adjournment shall be recorded by the Registrar under the signature of the Chairman. In case of a meeting adjourned for want of quorum, no quorum will be required to pass the adjournment.

27. At every meeting, unless the meeting, by special vote, otherwise determine, the order of business shall be as follows :—

(a) The election of the Chairman if such election forms part of the business.

(*b*) The signing of the minutes of the previous meeting or the meeting under adjournment.

(*c*) The election of any official of the University, if such election forms part of the business of the meeting.

(*d*) Any motion for a change in the order of business.

(*e*) Such business and motions of which notice has been given according to the rules in the order in which such business and motions are entered in the Agenda Paper, and also motions to be brought forward subject to the provisions of this Rule and Rule 34.

7. RULES OF DEBATE.

(1) *Motions.*

28. Every motion shall be affirmative in form and shall begin with the word " that."

29. Every motion shall be moved by the member in whose name it stands on the Agenda Paper ; if he is absent or declines to move, it may be moved by any other member.

30. Every motion at a meeting must be seconded otherwise it shall drop. The seconder of a motion may reserve his speech.

31. When a motion has been seconded it shall be stated from the chair.

32. When a motion has thus been stated it may be discussed as a question to be resolved in the affirmative or as proposed to be changed by amendment.

When before or after debate no member rises to speak to the motion the chairman shall proceed to put the question to the vote in the manner hereinafter explained.

33. A substantive proposal once brought forward shall not be proposed a second time at the same meeting or at any adjournment thereof. A proposal substantially identical in part with one already disposed of at the same meeting or adjourned meeting, may be brought forward with the omission of such part.

34. Not more than one proposal and one amendment thereto shall be placed before the meeting at the same time. Each amendment shall be disposed of before the next is moved. All amendments which are not withdrawn under Rule 43, or which do not violate Rule 36, shall be debated and voted upon. In case no notice of amendment under Rule 24 has been given, the Senate shall proceed to consider and to vote upon the bare proposal.

(2) *Amendments.*

35. No amendment shall be proposed which would reduce the original proposal to its negative form.

36. No amendment shall be proposed which raises a question already disposed of by the meeting or is adverse to any resolution passed by it.

37. The order in which amendments to a proposal are to be brought forward shall be determined by the chairman in view of their object and logical inter-relation.

38. An amendment, the substance of which has been disposed of in part, may be modified by its proposer so as to retain only the parts not so disposed of.

39. When an amendment has been moved and seconded it shall be stated from the chair and then the debate may proceed on the original proposal and the amendment together ; but if the question raised by the amendment is one on which a member has not yet spoken he may speak to that question though he had spoken to the original question or a previous amendment.

40. Every amendment shall be proposed in such form as may enable the modification of the original motion in any or all of the following ways :—

(1) by addition of words :

(2) by deletion of words :

(3) by substitution of words :

and the mover may state how exactly the motion or the part thereof affected would stand when so amended.

41. If any amendment is so carried it shall become part of the motion before the Senate and the motion shall be modified accordingly.

42. When all the amendments of which due notice has been given, have been considered, the original motion or original motions as amended in the course of debate shall be placed before the Senate and put to the vote without further discussion.

(3) *Withdrawal of a Question.*

43. No motion shall be withdrawn from the decision of the Senate without its unanimous consent. If the mover states his wish to withdraw a proposal or amendment and if no dissent is expressed during the interval allowed by the Chairman for the purpose, the Chairman shall declare that the question is withdrawn with the consent of the Senate.

(4) *Resolution of the Senate into a Committee.*

44. The Senate may when it thinks fit resolve itself into a Committee to consider any item which may be on the Agenda Paper. A motion for the resolution of a meeting into a Committee may be made by any member at any time—but not so as to interrupt a speech—without the notice required under Rule 24. Such motion, however, can only be placed before the Senate for consideration if the Chairman has permitted it. No speech shall be allowed in moving such motion. No such motion shall be considered unless fifteen members rise in support thereof. The motion having thus been duly seconded shall be put to the meeting without further discussion and shall only be carried if two-thirds of the members present vote in its favour.

45. When the Senate decides in this manner to resolve itself into a committee the Chairman shall be the same as for the meeting of the Senate and the quorum shall be the same as for the meeting of the Senate.

The manner in which the discussion of the matter under consideration shall be conducted shall be left to the discretion of the Chairman.

When in the opinion of the Chairman the matter has been sufficiently discussed the committee shall embody its conclusions in a report to be signed by the Chairman. The period during which the Senate is sitting in the committee shall be considered as a suspension of the sitting of the Senate and immediately the committee terminates the Senate shall be again called to order by the Chairman and report of the Committee's deliberations presented to it by the Registrar. If a resolution passed by the Committee involves recommendations not covered by the original motion and the amendments to that motion on the Agenda of the meeting they shall not be considered by the Senate until notice of these has been given as required under Rule 24, and the meeting of the Senate shall be adjourned to allow such notice being given. A motion made as a result of the deliberations of such a Committee may be presented to the Senate without previous consideration by the Syndicate.

(5) *Adjournments, etc.*

46. A proposal " that this meeting be now dissolved " may be moved at any time as a distinct question but not as an amendment nor so as to interrupt a speech. If the motion is carried the business before the meeting shall drop.

47. A proposal " that the meeting be now adjourned " to some specified time, may be moved at any time as a distinct question but not as an amendment nor so as to interrupt a speech. The Chairman himself can however make such a proposal while a member is speaking. If such proposal be

negatived the debate shall be resumed. The same rule will apply to the meeting of the Senate in Committee.

48. No amendment shall be moved to a proposal under last preceding Rule except one for substituting a different time for that to which it is proposed to adjourn the meeting.

49. A meeting renewed or continued after an adjournment is to be deemed one with that preceding the adjournment provided that if the meeting be adjourned to such date as to admit of the notice required under Rule 24, any amendment otherwise in order may be moved at any adjourned meeting if the notice so required is duly given.

50. The motion " that the meeting pass to the next business on the statement " may be made at any time as a distinct question but not as an amendment nor so as to interrupt a speech. If such a motion be carried the proposal under consideration and the amendments thereto shall not be further dealt with at the meeting.

51. No motion for the dissolution or for the adjournment of the meeting or for the suspension of the sitting or to pass to the next business, shall be made or spoken to during the debate by any member who has spoken in the debate. Any such motion shall take the place of any question that may be before the meeting and if not withdrawn must be disposed of before such question.

52. When a motion of the class contemplated in the last preceding Rule has been brought forward and negatived no other motion of that class shall be again brought forward until after the lapse of what the Chairman shall deem a reasonable time, nor shall a debate be allowed on such second or subsequent motion brought forward during a debate on the same proposal alone or the same proposal or amendment discussed together.

(6) *Miscellaneous.*

53. On each proposal or proposals and amendment in debate a member may speak once in accordance with the provisions of Rules 39 and 51.

54. The member who is first up at the conclusion of a speech has the right to be heard. In cases of competition the Chairman shall decide.

55. The mover of an amendment or when there is no amendment the mover of the original resolution may reply upon the debate before vote is taken ; the mover of a motion for a dissolution or adjournment or for the suspension of the sitting or for the passing to the next business on the statement has, however, no right to reply.

56. No member shall speak to the question after the mover has entered on his reply.

57. The Chairman has the same right of moving or seconding a motion or amendment and of otherwise taking part in the debate as any other member. When the Chairman thus takes part in the debate he shall vacate the chair whilst he is addressing the meeting and the chair shall during such time be taken by the senior member present, not being the Chairman.

(7) *Points of Order.*

58. Any member may call the Chairman's attention to a point of order even whilst another member is addressing the meeting, but beyond stating the precise point of order raised, he shall not make a speech. Such a call pronounced by the Chairman to be vexatious and any interrutpion or obstruction to the progress of the business before the Senate pronounced by the Chairman to be unseemly or unreasonable shall be deemed a breach of order.

59. The Chairman shall be the sole judge on any point of order and may call any member to order and if the member so called to order shall in speaking disregard such call the Chairman may direct him to sit down and thereupon another member may speak. In the event of any contumacious disregard of a ruling or call to order by the Chairman he may request the member so offending to leave the meeting and on such requisition being made to a member by name, he shall be suspended from his functions as a member during the meeting and shall be bound immediately to withdraw.

(8) *Voting.*

60. On putting any question to the vote the Chairman shall call for an indication of the opinion of the Senate by a show of hands in the affirmative and negative and shall declare the result thereof according to his opinion.   .

61. Any six Fellows may demand a division except on a motion for which under Rules 24 and 44 previous notice is not required.

62. In every division only such members as are present at the putting of the question shall be entitled to vote. Voting papers will be supplied by the Registrar and every voting paper shall be returned with or without the vote.

63. When the Chairman announces the division to be closed the Fellows shall state in writing the number on each side, sign the statement and hand it to the Chairman together with the voting papers arranged in two separate bundles,

The Chairman shall then declare the result of the division to the meeting and the result shall be recorded in the minutes.

64. If after a division five members present demand a recount the Chairman shall appoint two or more members to act with the Fellows who shall report the fact to the Chairman, and the latter shall thereupon declare the result which shall be conclusive.

65. Pending the recount the Chairman may either suspend the sitting or call for such business as may in his opinion be most conveniently proceeded with. But on the disposal of the business thus entered on the regular order of subjects if it had been departed from shall be resumed.

(9) *Record of Proceedings.*

66. A journal shall be kept by the Registrar containing a brief abstract of the proceedings of the Senate. The journal shall be submitted as soon as possible after each meeting to the Chairman for his confirmation and signature.

67. Within three weeks after a meeting of the Senate, the Registrar shall, under the direction of the Syndicate, post a printed copy of the minutes of such meeting attested by the Chairman to the address of each member.

68. If no exception is taken by a member who was present at the meeting to the correctness of the minutes within ten days of posting by the Registrar they shall be deemed to be correct.

69. If any exception be taken within the time aforesaid the attention of the Chairman shall be called to the portion of the minutes objected to and he shall make such alterations as he may find to be necessary.

CHAPTER V.

THE SYNDICATE.

70. Two members of the Syndicate shall be nominated by the Council and the rest elected by the Senate.

71. Three members shall form a quorum.

72. The President of the Syndicate shall be nominated by the Council from among the Syndics.

73. It shall be the duty of the Syndicate :—

    (a) To order examinations in conformity with the Rule and fix dates for holding them.

    (b) To fix the fees, emoluments, travelling and other allowances of Examiners and Moderators.

(c) To consider and make such reports or recommend such action as it deems fit on financial and business matters brought forward by the Members of the Senate and Faculties for consideration by the Senate.

(d) To prepare such forms and registers as are from time to time prescribed by the Rules.

(e) To make all the necessary arrangements for publication of the books, etc., brought out under the auspices of the University.

CHAPTER VI.

THE FACULTIES.

74. The Faculties shall be constituted every two years and the members will be elected by the Senate.

75. The Dean of a Faculty shall hold office for two years till the next re-constitution of the Faculty. He shall preside at the meetings of the Faculty.

76. A Faculty shall have power :—

(a) To draft rules in regard to courses of study and examinations prescribed by the University and to lay such rules before the Senate in order that they may be brought before the Council for ratification.

(b) To remit any matter to a Board of Studies comprised within the Faculty for consideration and report.

(c) To consider any report or recommendation of any Board of Studies comprised within the Faculty.

(d) To hold meetings of the Faculty or a Committee of the Faculty along with any Faculty or a committee thereof for the discussion of any matter of common interest.

(e) To appoint Examiners and Moderators.

(f) To determine finally the results of the examinations on the recommendations reported by a meeting of all Examiners for each examination.

(g) To determine the award of stipends, scholarships, medals, prizes and other rewards in conformity with the Rules and the conditions prescribed for their award.

(h) To determine courses of study and lists of text-books to be prescribed or recommended for study or translation.

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CHAPTER VII.

THE BOARDS OF STUDIES.

77. The following will be the Boards of Studies in the Faculty of Arts :—

> English Literature.
> Compulsory Theology.
> Arabic Literature.
> Sanskrit Literature.
> Persian Literature.
> Latin Literature.
> Urdu Literature.
> Marathi Literature.
> Telugu Literature.
> Kanarese Literature.
> Tamil Literature.
> French Literature.
> History, including at least one member each for Indian History and Muslim History.
> Economics and Political Science
> Mathematics.
> Physical Science (Physics and Chemistry).
> Natural Science (Geology, Biology, Botany, and Zoology).
> Mental and Moral Philosophy, including at least one member each for Muslim Philosophy and Hindu Philosophy.

78. A member of a Board of Studies shall hold office for two years and shall be eligible for reappointment.

79. No Board shall consist of fewer than three members.

80. Each Board shall elect its own Chairman.

81. Any Board may consult specialists who are not members of the Board.

82. Members of the Boards of Studies shall be solely responsible for reviewing the books submitted before their Boards from a religious point of view. There shall be at least one Musalman on the Boards conversant with the language and competent to express an opinion on the books from a religious and Islamic point of view.

CHAPTER VIII.

FINANCE.

(1) *The Board of Accounts.*

83. The Board shall meet ordinarily once every month and at other times when convened by the Vice-Chancellor.

84. The Board shall examine and audit the University accounts, the endowments and trust funds accounts, consider ways and means and the financial effects of any important measures in contemplation and make recommendations when necessary to the Senate on all matters relating to the finance of the University. It shall also make an annual report to the Senate on noteworthy points regarding the income and expenditure during the last preceding year. Copies of all reports and recommendations of the Board of Accounts shall be sent to the Council by the Senate. The Members of the Board shall have access to all the accounts and other records of the University.

85. Members of the Board shall hold office until the next annual meeting of the Senate. They shall be eligible for reappointment at the expiration of their term of office. All vacancies in the Board occurring in the course of the year shall be filled up by the Senate.

(2) *Government Audit.*

86. The accounts of the University shall be audited at least once in every year and at intervals of not more than fifteen months by auditors appointed by Government.

87. The auditors shall for the purposes of their office have access to all the accounts and other records of the University.

88. The accounts when audited shall be published together with the auditors report in such form as may be prescribed by Government and a copy thereof shall be submitted to Government.

CHAPTER IX.

OFFICERS AND SERVANTS OF THE UNIVERSITY.

89. The Registrar will hold office during the pleasure of the Government but may be removed on the recommendation of a two-thirds majority of the members of the Council.

90. It shall be the duty of the Registrar :—

(a) To be the custodian of the records, library, common seal and such other property of the University as the Council shall commit to his charge.

(b) To attend as far as possible all meetings of the Senate and the Syndicate and any committees appointed by the Senate and to keep minutes thereof.

(e) To conduct the official correspondence of the Senate and the Syndicate.

(d) To issue all notices concerning meetings of the Senate, Faculties, Syndicate, Boards of Studies, Boards of

Examiners and any committees appointed by the Senate, the Faculties, or any of the Boards of Studies.

(e) To conduct all the administrative duties of the Translation Bureau.

(f) To perform such other duties as may from time to time be prescribed by the Council and generally to render such assistance as may be desired by the Council in the performance of its official duties.

91. The scale of establishment for the office of the University shall be fixed by the Council from time to time.

92. The Registrar shall have power to fine, suspend and grant leave to all non-gazetted servants of his own office and make appointments up to Rupees 100.

CHAPTER X.

EXAMINATIONS.

93. No one shall be permitted to enter the University in order to study for the Intermediate Examination unless he has passed the Matriculation Examination of this University or the School Leaving Certificate Examination or the Matriculation Examination of any other Indian or English University.

94. No one will be admitted to join the University to study for the B. A. and other degrees unless he has passed the Intermediate Examination of this or any other Indian or English University.

(By order)

A. HYDARI,

SECRETARY TO GOVERNMENT,

Judicial Police & General Departments.

7. SUPPLEMENTARY RULES.

I. ELECTION OF MEMBERS OF THE SYNDICATE BY THE SENATE.*

The following procedure shall be adopted in the election of the members of the Syndicate by the Senate under Regulation 70.

1. The election shall take place at the annual meeting held in Amardad, or on such date as the Chancellor may appoint in this behalf.

2. Not less than ten days before the meeting the names of members who are proposed by any Fellow for election as members of the Syndicate shall be submitted in writing to the Registrar, who shall circulate the names to the members of the Senate at least four days before the meeting.

3. Each voter shall have only one vote for each vacancy and can give only one vote to any one candidate.

4. The election shall take place at the meeting of the Senate upon the date so fixed, and the voting shall be by ballot.

5. Those who obtain the highest number of votes shall be declared elected. In the event of there being any tie between two or more candidates necessitating further selection, their names shall be reported to the Chancellor with whom the final selection shall rest.

N. B.—The Chancellor or in his absence the Vice-Chancellor shall have the power to accept or reject an election, and in the latter case they shall be competent to cancel the election made and to order a fresh one.

II. ELECTION OF MEMBERS OF THE FACULTIES BY THE SENATE.†

The following procedure shall be adopted in the election of the members of the Faculties by the Senate under Regulation 74.

1. The election shall take place at the annual meeting held in Amardad, or on such date as the Vice-Chancellor may appoint on this behalf.

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* Received the assent of His Exalted Highness the Nizam on the 10th Shaban 1340 H., (5th Khurdad 1331 F.—9th April 1922).

† Received the assent of H.E.H.'s Government on the 22nd Ardibehisht 1333 F. (26th March 1924).

2. The Syndicate shall, in the first instance, draw up a list of persons whom they recommend for appointment to the various Faculties. This list shall be circulated among the members of the Senate by the Registrar not less than sixteen clear days before the meeting. Any member of the Senate may then propose additional names for any of the Faculties, which must be sent to the Registrar nine clear days before the meeting. These names, together with the original list shall be circulated among the members of the Senate five clear days before the meeting and no additional names shall be received.

3. At the meeting of the Senate, the entire list shall be voted on Faculty by Faculty, and every member shall be declared to be appointed who obtains votes from a majority of the members of the Senate voting for the Faculty under appointment. The voting shall be by ballot.

In the event of there being any tie between two or more candidates necessitating further selection, their names shall be reported to the Vice-Chancellor with whom the final selection shall rest.

III. ELECTION OF TWO FELLOWS FROM THE MEMBERS OF THE FACULTIES.*

The following procedure shall be adopted in the election of two Fellows by the Senate from the members of the Faculties who are not already members of the Senate. One of these members shall be elected from the Faculty of Arts and the other from the Faculty of Theology.

1. Once in every year in the annual meeting of the Senate held in Amardad or on such date as the Chancellor may appoint on this behalf, there shall, if necessary, be an election to fill any vacancy among the two Fellows to be elected by the Senate from the members or the Faculties of Arts and Theology who are not already members of the Senate.

2. Intimation of the date fixed for election shall be sent to the members of the Senate at least twenty-five days in advance together with a list of the members of the Faculties who are not members of the Senate and each Fellow shall, on receipt of the notice, be entitled to propose the name of one person from the list for appointment as a Fellow. Such proposal must reach the Registrar fourteen clear days before the date fixed for election. The Registrar shall cause a list of the nominees to be printed and forwarded to the members of the Senate five clear days before the date fixed for election.

. * Received the assent of His Exalted Highness the Nizam on the 10th Shaban 340 H., (5th Khurdad, 1331 F.—9th April, 1921).

3. The election shall take place at the meeting of the Senate upon the date so fixed, and the voting shall be by ballot.

4. Those who obtain the highest number of votes shall be declared elected. In the event of there being any tie between two or more candidates necessitating further selection, their name shall be reported to the Chancellor with whom the final selection shall rest.

N. B.—The Chancellor or in his absence the Vice-Chancellor shall have the power to accept or reject an election, and in the latter case they shall be competent to cancel the election made and to order a fresh one.

IV. ELECTION OF TWO FELLOWS FROM THE LIST OF REGISTERED GRADUATES.*

The following procedure shall be adopted in the election of two Fellows by the Senate from the list of registered graduates under Section 8 (4) (c) of the Charter of the Osmania University.

1. Once in every year in the annual meeting of the Senate held in Amardad or on such date as the Chancellor may appoint in this behalf, there shall, if necessary, be an election to fill any vacancy among the two Fellows to be elected by the Senate from the list of registered graduates.

2. No person unless his name has been entered in the register of graduates and unless he has paid the fee for the year in which the election takes place shall be qualified to be elected at any election to be held under these rules.

3. Intimation of the date fixed for election shall be sent to the members of the Senate at least twenty-five days in advance together with a list of registered graduates and each Fellow shall on receipt of the notice, be entitled to propose the name of one person from the list for appointment as a Fellow. Such proposal must be accompanied by a brief statement of the special qualifications of his nominee and must reach the Registrar fourteen clear days before the date fixed for election. The Registrar shall cause a list of the nominees and of the statements to be printed and forwarded to the members of the Senate five clear days before the date fixed for election.

4. Each voter shall have only one vote for each vacancy and can give only one vote to any one candidate.

5. The election shall take place at the meeting of the Senate upon the date so fixed and the voting shall be by ballot.

* Received the assent of His Exalted Highness the Nizam on the 10th Shaban 1340 H., (5th Khurdad 1331 F.—9th April 1922).

6. Those who obtain the highest number of votes shall be declared elected. In the event of there being any tie between two or more candidates necessitating further election, their names shall be reported to the Chancellor with whom the final selection shall rest.

N. B.—The Chancellor or in his absence the Vice-Chancellor shall have the power to accept or reject an election, and in the latter case they shall be competent to cancel the election made and to order a fresh one.

V. REGISTER OF GRADUATES.*

The Register of Graduates to be kept under Section 8 (4) (c) of the Royal Charter shall be in such form as the Syndicate may from time to time decide.

1. Any person belonging to any of the following classes who is ordinarily resident in the Dominions shall, subject to the payment of the prescribed initial fee, be entitled to have his name entered in the register on application :—

> (a) Any Master or Doctor of the University or of an Indian, British, Colonial or American University, recognised for the purpose by the Council.

> (b) Any Bachelor of at least six years' standing of the University, or of an Indian, British, Colonial or American University recognised for the purpose by the Council.

> (c) Any Maulvi Fazil, Maulvi Kamil or Munshi Fazil of the Dar-ul-Ulum of at least six years' standing.

2. The initial fee payable by a graduate for having his name entered on the register shall be five rupees.

3. The fee payable by a graduate for having his name retained on the register shall be two rupees a year. Till such fee has been paid, no graduate shall be entitled to take part in any election or to enjoy any of the privileges ·conferred by the Regulations.

4. A graduate whose name has been already entered on the register may at any time compound for all subsequent payments of the annual fee by paying the sum of twenty rupees.

5. The name of any graduate entered on the register shall, if the amount of the annual fee is not paid by the 30th of

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* Approved by the Council of the University on the 18th Farwardi 1330 F., 19th February 1921.

Ardibahist, be removed therefrom, but shall at any time be re-entered on payment of all arrears.

6. Registered graduates shall have, besides the right of electing two Fellows, the following privileges :—

(a) They shall be entitled to the use of the University Library and Membership of the University Union.

(b) They shall be admitted free to all lectures delivered by University Professors.

(c) They shall have priority of admission to the Convocation over unregistered graduates.

VI. ACADEMIC ROBES.

Chancellor.

Green silk gown with gold lace and tufts.

Vice-Chancellor.

Green silk gown with silver lace and tufts.

Fellows.

Dark green Alpaca gowns of the same shape as worn by the Masters of Arts of the University of Oxford, together with sash.

Graduates.

Gowns ..	.. Dark green Alpaca gowns of the same shape as that worn by the Bachelors and Masters of the University of Oxford.
Head Dress ..	.. Cream coloured shamla.
Hoods—Arts ..	.. Yellow.
Theology	.. Green.
Science	.. Dark Green.
Medicine	.. Grey.
Law ..	.. Scarlet.
Education	.. Light Blue.
Engineering	.. Purple.

Messrs. Parfitt & Co., Allahabad, have been appointed Robe-Makers to the University.

VII. RULES OF PROCEDURE TO BE FOLLOWED AT THE CONVOCATION FOR CONFERRING DEGREES.*

1. The Chancellor, the Vice-Chancellor and Fellows shall assemble in the Senate room at the appointed hour. In the absence of the Chancellor, the Vice-Chancellor shall preside.

* Received the assent of His Exalted Highness the Nizam on the 29th Rabi-us-Sani 1343 Hijri, (3rd Dai 1334 F.—17th November 1924).

2. The graces of the Senate on behalf of the candidates for admission to the several degrees will be supplicated by the Deans of the various Faculties in the following order :—

> Theology.
> Law.
> Medicine.
> Engineering.
> Education.
> Arts.
> Science.

3. The formula to be used for each grace shall be as follows :—

"............Chancellor, I move that a grace of the Senate be passed that those persons whom the Faculty of............on the reports of the Examiners has certified to be qualified for the degree of............ be admitted to that degree."

4. When all the graces have been passed the Chancellor, Vice-Chancellor and Fellows shall proceed in procession to the Hall in which the degrees are to be conferred.

5. The Chancellor and Vice-Chancellor shall appear in their official robes and the Fellows shall appear in the academic costume to which they are entitled in virtue of their degrees or in that prescribed for the Fellows of the University.

6. The candidates shall wear the gowns and hoods appropriate to their respective degrees and shall be arranged opposite to the Chancellor and the Vice-Chancellor.

7. On the procession entering the Hall, the candidates shall rise and remain standing until the Chancellor and the Vice-Chancellor and the Fellows have taken their seats.

8. The Chancellor, the Vice-Chancellor and the Fellows having taken their seats, the Chancellor or the Vice-Chancellor shall say : " This Convocation of the Osmania University has been called to confer degrees upon the candidates who have been certified to be worthy of these degrees. Let the candidates stand forward."

9. Then the candidates standing, the Chancellor or the Vice-Chancellor shall put to them the following questions to which the candidates will answer by the words " *I do promise.*"

Question 1.—Do you promise and declare that if admitted to the degrees for which you are severally candidates, and for which you have been recommended, you will, in your daily life and conversation, conduct yourself as becomes members of this University ?

Answer.—   I do promise.

Question 2.—Do you promise and declare that to the utmost of your opportunity and ability, you will use your powers for the furtherance of true learning ?

Answer.—   I do promise.

Question 3.—Do you promise and declare that, to the utmost of your opportunity and ability, you will use your powers in the service of your fellowmen ?

Answer.—   I do promise.

Question 4.—Do you promise that you will faithfully and diligently fulfil the duties of the profession to which you will eventually belong and that you will on all occasions maintain its purity and reputation ?

Answer.—   I do promise.

Question   5.—*(For the Faculty of Theology)*.   Do you promise and declare that to the utmost of your opportunity and ability, you will use your powers in the service of Islam and as a true Muslim ?

Answer.—   I do promise.

10.   The Chancellor or the Vice-Chancellor shall then say " Let the candidates be presented."

11.   The candidates shall be presented in batches to the Chancellor or the Vice-Chancellor by the Deans of their repective Faculties, who shall say for each batch :—

" I present to you this (or these) candidate (or candidates)—read out names—and pray that he (or they) may be admitted to the degree of........................."

12.   When all the candidates for the same degree have been presented the Chancellor or the Vice-Chancellor, in presenting the diplomas, shall say to the candidates who shall remain standing :—

" By virtue of the authority vested in me as Chancellor (or Vice-Chancellor) of the Osmania University, I admit you to the degree of............in this University, and I charge you throughout your life, to prove worthy of this degree."

13.   When all the candidates have been presented, the Registrar shall lay the record of the degrees that have been conferred before the Chancellor or the Vice-Chancellor, who shall affix his signature thereto.

14.   The Chancellor, the Vice-Chancellor, a Fellow of the University or a distinguished guest shall then address the candidates.

5.   He shall have authority to make temporary acting arrange-ments for a gazetted officer, whose absence from duty is due to illness or such other cause over which he has no control.

The Principal shall, in such cases, inform the authority competent to grant leave immediatley after he has made the acting arrangements.

6.   He shall have authority to suspend or dismiss his non-gazetted subordinates, whom he is empowerd to appoint.

7   He shall be the only official channel of communication between the University authorities and the members of the staff.

8.   He shall appoint to all scholarships reserved for the students of the College and have authority to reduce temporarily the amount of scholarship, to cancel any appointment to a scholarship, and if circumstances make it necessary, to redis-tribute the scholarship.

9.   He shall have authority to grant casual holidays.

10.   He shall have control over the Libraries, Laboratories and such other institutions in the College and shall have power to entrust the management of the aforesaid institutions to one or more members of the staff competent to run the institutions.

11.   He shall have authority to spend all sums granted in the budget in accordance with the budget allotment and shall send, in the bills direct to the Accountant-General for payment.

XI.   Powers of the President and the Secretary, Engineering College.

(Vide G. O. No. 989/990 dated 30th Khurdad 1339 F. 4th May 1930.)

Powers of the President.

1.   To determine, subject to the sanction of the Council, from time to time, the number of Professors, Asst. Professors, etc. and other members of the teaching staff and the office establishment.

2.   To make all appointments of non-gazetted officers and of gazetted officers the average value of whose grade does not exceed Rs. 500.

3.   To provide furniture and apparatus and other accessories needed for carrying on the work of the Engineering College.

4.   To enter into, alter, and cancel, contracts on behalf of the Engineering College.

5.   To entertain, adjudicate upon and redress any grievances of the Professors, the teaching staff, the graduates, the under-graduates and the Engineering College servants, who may for any reason feel aggrieved.

Note :—In the case of those Professors, Lecturers, etc., whose appoint-ments are not within the powers of the President, this will be subject to appeal to the Council.

6. To transfer any expenditure from one head to another, within the budgetted allotment.

7. To sanction all kinds of leave to officers whose appointment is within his powers, and also to cancel the same ; and in cases of emergency to sanction leave to other Gazetted Officers.

8. To sanction arrears of pay or travelling allowance due to an officer of the College upto two years, provided there is provision for the same.

9. To depute officers of the Engineering College to places not outside India to attend Scientific Conferences, to study the working of other Universities or to purchase stores or apparatus for the College or for any other purpose in the interests of the College, provided the expenses are paid out of its Budget.

10. To sanction the payment of full salary to an officiating officer, when the permanent incumbent avails of extraordinary leave.

11. To commute absence without leave into leave of any kind to which an officer is entitled under the Rules, provided the period of absence does not exceed six months.

12. To sanction furlough (Rukhsat-i-Khangi) upto a limit of 3 years for purpose of study irrespective of the length of their services to officers whom he is empowered to appoint.

13. To sanction holidays and vacations for the College and Office of the College, or to close the College and the Office during epidemics.

14. To sanction extension in the services of Officers, whom he is empowered to appoint upto a limit of 60 years.

15. To spend all sums granted in the Budget allotment.

16. To be the supreme authority in all matters relating to the internal working of the College, including the Hostel.

17. To have control over the Libraries, Laboratories and the Workshop and such institutions in the College and to have power to entrust the management of the aforesaid institutions to one or more members of the staff competent to run the institution.

18. To appoint to all scholarships reserved for the students of the College and to have authority to reduce temporarily the amount of a scholarship, to cancel any appointment to a scholarship and if circumstances make it necessary to redistribute the scholarship.

19. To organise and regulate the finances, accounts and all other administrative work of the Engineering College.

Powers of the Secretary.

1.   To accept or to refuse applications for admission to the College and to rusticate, expel or otherwise punish the pupils with the sanction of the President.

2.   To make all appointments of non-gazetted officers in the clerical staff of the 2nd and 3rd grades in the college.

3.   To grant all kinds of leave to non-gazetted officers whom he is empowered to appoint and to make acting arrangements therefor.

4.   To suspend or dismiss non-gazetted subordinates whom he is empowered to appoint.

5.   To be the only official channel of communication between the University authorities and the members of the staff.

Note :—This will not imply denial of right to the Professors of the College of direct access to the President.

6.   He shall have authority to grant casual holidays.

7.   He shall have authority to spend all sums granted in the budget, excepting those which may have been specifically reserved by the President, and shall send in the bills direct to the Accountant-General for payment.

XII.   POWERS OF THE CURATOR, TRANSLATION BUREAU.

(*Vide* G. O. No. 50, DATED THE 27TH ISFANDAR 1327 F.—29TH JANUARY 1918 & No. 875, DATED 7TH SHEHREWAR 1330 F. 13TH JULY 1921.)

The Curator shall have the following powers :—

1.   To appoint, transfer and sanction travelling allowance of all servants of the Bureau whose salary does not exceed Rs. 125.

2.   To sanction casual leave of the Translators up to seven days in the year.

3.   To have the same powers as other heads of the departments as regards contingencies and other amounts sanctioned for the Bureau.

4.   To fine, suspend and grant leave to all members of the clerical and menial staffs except those whom he is not competent to appoint.

5.   To disburse the remuneration of translators in whose case rates have been already fixed by higher authorities.

6. To disburse amounts due to publishers of original English books for the use of their copyright, according to the rates previously sanctioned for each book.

7. To disburse amounts due to outside presses for printing work done with the approval of higher authorities.

XIII. Remuneration to Examiners, Moderators, and Invigilators.

1. The following shall be the scale of remuneration fo Examiners :—

Matriculation Examination.

	O.S. Rs.	A.	P.
For setting 3 hours' paper	60	0	0
For setting a paper of 2 hours or less	40	0	0
For valuing each answer book for which the time allowed is 3 hours	0	12	0
For valuing each answer book for which the time allowed is 2 hours or less	0	8	0
Practical Test in Domestic Science	1	8	0

(For each candidate subject to a miniumm of Rs. 25.)

Intermediate Examination.

For setting 3 hours' paper	75	0	0
For setting a paper of 2 hours or less	50	0	0
For valuing each answer book of 3 hours	1	0	0
For valuing each answer book of 2 hours or less	0	12	0
Practical Examination in Science subjects for each candidate to each Examiner	2	8	0

B. A., B. T. and LL. B. Examinations.

For setting a question paper	100	0	0
For valuing an answer book	1	8	0
Practical Examination in Science subjects for each candidate subject to a minimum of Rs. 25	8	0	0
Practical Examination in Training, for each candidate	3	0	0

M. A. Examination.

For setting a paper	125	0	0
For examining each answer book	2	8	0
For *Viva Voce* Examination	2	0	0

per candidate to each Examiner, subject to a minimum of Rs. 25.

For reading a Thesis	50	0	0

per Thesis per examiner.

N. B.—Examiners are required to furnish a complete English translation of their paper, otherwise a sum of Rs. 10 will be deducted from the remuneration of setting the paper.

M. Sc. Examination.

For setting a paper ..	..	.. 125 0 0
For valuing each answer book	..	.. 2 8 0
Practical Examination	..	.. 2 8 0

per candidate subject to a minimum of Rs. 50 per examiner.

2. If an examiner sets a paper and is unable to examine it, remuneration for setting the paper shall be divided equally between him and the person actually examining the answer books.

3. The Examiners correcting proofs shall be paid at the rate of Rs. 5 for papers in Mathematics and Rs. 3 for papers in other subjects ; and the arrangements for proof reading shall be made by the senior professors in the subjects.

4. The Moderators shall get an allowance of Rs. 15 for each meeting of $2\frac{1}{2}$ hours.

5. The scale of remuneration for Superintendents and Invigilators is as follows :—

	Matriculation Examination	Intermediate B. A. and other higher Examinations
———	O.S. Rs per diem	O.S. Rs. per diem.
Chief Superintendents ..	10 0 0	10 0 0
Invigilators receiving a salary of below Rs. 50 ..	2 0 0	..
Invigilators receiving a salary of Rs. 50—120 ..	3 0 0	..
Invigilators receiving a salary of Rs. 121—200 ..	4 0 0	Rs. 100-200 4 0 0
„ .. over 200 ..	5 0 0	over Rs. 200 5 0 0
Peons	0 4 0	0 4 0

XIV. Travelling and Halting Allowances.

The members of the Senate and other University Bodies residing in the mofussil shall be paid travelling and halting allowances at the following rates :—

(i) Single first class fare each way, and Rs. 10 per diem for days on which meetings are held.

(ii) Single third class fare each way for servants.

XV. DUPLICATES OF THE UNIVERSITY CERTIFICATES.

Duplicates of University Certificates or Diplomas shall not be granted except in cases in which the Syndicate is satisfied by the production of an affidavit or otherwise (duly certified by Head-master of a recognised High School, or Divisional Inspector or District Inspector of Schools of His Exalted Highness' Government or Principal, Osmania University College), that the applicant has lost his certificate or diploma, or that it has been destroyed. In such cases a duplicate of a certificate the original of which was signed by the Registrar, may be granted on payment of a fee of Rs. 5 ; and a duplicate of a certificate or diploma the original of which was signed by the Chancellor, on payment of a fee of Rs.10, and all such cases shall be notified in the Government Gazette.

XVI. REGISTRATION FEE.

A registration fee of Rs. 10 shall be charged by the University from all students migrating to this University from other Universities or joining the University after obtaining a High School Certificate issued by a H. S. L. C. Board in British India.

XVII. UNIVERSITY LOAN FUND.

1. That a sum of B.G. Rs. 25,000 be set apart for this Fund.

2. That only competent and brilliant members of the staff shall be eligible for loans for study in foreign countries, provided they have put in at least 5 years' service and their services can be spared by the Department concerned.

3. That the maximum amount of a loan shall be B.G. Rs. 10,000.

4. That loans shall be given on the security of two sureties who are men of substance in the State, approved for the purpose by the authorities of the University, or of Promissory Notes, Railway Shares, Mansabs, Insurance Policies (to the extent of ¾ of their surrender value) and immovable property (1½ of the value of the loan). *

N.B.—(1) Persons who are entitled to a gratuity or to a pension are exempted from producing security as required under this rule provided that the amount of the loan does not exceed the gratuity or the capitalised value of the pension due.

(2) In calculating the capitalised value of the pension or the gratuity the period of the study leave can also be counted as effective service.

5. That interest at the rate of $4\frac{1}{2}$ per cent. shall be charged on all advances made.

6. That the loan should be repaid at the rate of 25 per cent· of the salary for each month, the maximum period of repayment being 12 years.

7. That the University shall not be responsible for giving any promotion on the basis of additional qualification secured.

8. That applicants for loans shall bind themselves to serve the University on whatever salary offered till the whole amount is repaid, and in case the applicant severs his connection with the University he or his sureties shall have to pay up in one lumpsum the whole amount remaining due.

9. That the loan will be paid in quarterly instalments, the first including passage money and B.G. Rs. 500 for outfit, which shall be paid after the agreement and surety bonds have been executed.

XVIII. UNIVERSITY SCHOLARSHIPS.

Faculty of Arts.

Intermediate ..	One of Rs. 20 per mensem to be given to the student standing first in the Matriculation Examination, and two of Rs. 15 per mensem each to the students standing second and third.
	Seven of Rs. 15 per mensem each to the students standing first in the following subjects provided that they have passed in the first division in the subject and at least in the second division in the whole of the examination.
	(1) English, (2) Theology, (3) Arabic, (4) Sanskrit, (5) Elementary Mathematics, (6) Higher Mathematics and (7) Science.
B. A. ..	One of Rs. 25 per mensem to student standing first in the Intermediate Examination, and two of Rs. 20 per mensem each to students standing second and third.
	Nineteen of Rs. 18 per mensem each to stundents standing first in the following subjects provided that they have passed in the first division in the subject and at least in the 2nd division in the whole of the examination :—
	English. Theology, Mathematics, Physics, Chemistry, Biology, Urdu, Arabic, Persian, Sanskrit, Economics, History of Islam, History of England, History of India, Logic, Psychology, Marathi, Kanarese, and Telugu

M. A.   ..   Two of Rs. 40 per mensem each to the student-standing first in the Arts and Science subjects respectively in the B.A. Examinations, provided they pass the Examination in the first division.

Eight of Rs. 30 per mensem each to the students standing first in the following subjects respectively, provided that they have passed in the first division in the subject and at least in the second division in the whole of the Examination :—

English, Arabic and an allied subject, Sanskrit and an allied subject, History, Philosophy, Physics, Chemistry and Mathematics.

Three Research Scholarships of Rs. 75 per mensem each for Kanarese, Marathi and Telugu.

Faculty of Theology.

Intermediate .   One of Rs. 20 per mensem to the student standing first in the Matriculation Examination and one of Rs. 15 to the student standing second.

One of Rs. 15 per mensem to the student standing first in Arabic.

B. A.   ..   One of Rs. 25 per mensem to the student standing first in all the subjects in the Intermediate Examination.

One of Rs. 18 per mensem to the student standing first in Fiqah and Usul-i-Fiqah.

One of Rs. 18 per mensem to the student standing first in Arabic.

M. A.   ..   One of Rs. 40 per mensem to the student passing the B. A. Examination in the first division.

Faculty of Engineering.

1st year { Two of Rs. 30 per mensem each
         Two of Rs. 25   ,,   ,,

2nd year { Two of Rs. 30   ,,   ,,
         Two of Rs. 25   ,,   ,,

3rd year { One of Rs. 35   ,,   ,,
         ,,   ,,   30   ,,   ,,

4th year—Two apprenticeships of Rs 75 per mensem each.

Faculty of Medicine

Fifteen scholarships of Rs. 17 per mensem each for male students.

Bursaries.

Faculty of Arts.

Intermediate : Twenty :—

Day Scholars Rs. 6.
Boarders Rs. 10.

B. A. :   Twelve :—
Day Scholars Rs. 8.
Boarders Rs. 12.

M. A. :   Five Bursaries of Rs. 20 per mensem each.

Faculty of Theology.

Intermediate : Seven of Rs. 10 each.

B. A. :   Two of Rs. 12 each, for two years only.

FOR FEMALE STUDENTS :—

Faculty of Medicine.

Five Bursaries of Rs. 17 per mensem each.
Three Bursaries of Rs. 40 per mensem each.
Twelve Bursaries of Rs. 30 per mensem each.

8. THE UNIVERSITY COLLEGE.

Staff.

Principal *Offg.* .   Muhammad Abdul Ramhan Khan, B.A.,
(Madras), B.SC., A.R.C.S.,(London).

FACULTIES OF ARTS AND SCIENCE.

BIOLOGY.

Asst. Professor	..	Sayeeduddin, B.SC. (Bom.), M.A., (Edin).
Do	..	Abdul Bari, B.SC., (Bom.).
Do	..	Muhammad Rahimullah, B.SC., (Alig.).

CHEMISTRY.

Professor	..	Muzaffaruddin Qureshi, M.SC., PH.D., (Berlin)
Do	..	Sayyid Husain, B.A., M.SC., PH.D. (London).
Asst. Professor	..	Mahmud Ahmad Khan, B.SC., (Allahabad).
Do	..	Inayat Khan M.SC., (Osmania), (Temporary).
Do	..	*Vacant*
Demonstrator	..	Abdul Aziz, B.A., (Osmania).
Do	..	Sita Ram Rao, B.A. (Osmania) M.SC., (Dacca).

ECONOMICS AND SOCIOLOGY.

Professor	..	*Vacant.*
Asst. Professor (*Incharge*).	..	Muhammad Elias Burney, M.A., LL.B., (Allahabad).
Asst. Professor	..	Habib-ur-Rahman, M.A., LL.B., (Allahabad). (on study leave).
Do	..	Sayyid Jafar Hasan, PH.D. (Heidelberg).

ENGLISH.

Professor	..	E. E. Speight, B.A., (London).
Do	..	Hosain Ali Khan, B.A., (Oxon.).
Do	..	Sayyid Abdul Latif, PH.D., (London).
Do	..	T. Virabhadrudu, M.A., L.T. (Madras).
Asst. Professor	..	S. D. Ramchandran, B.A., L.T., (Madras).

HISTORY.

Professor	..	Haroon Khan Sherwani, M.A., (Oxon.)
Do	..	Mirza Ali Yar Khan, B.A., (Oxon.).
Asst. Professor	..	Md. Jamilur Rahman, M.A, (Punjab).
Do	..	K. C. Roy Saksena, M.A., (Allahabad).
Do	..	Ibn-e-Hasan, M.A , (Allahabad). (on study leave).
Do	..	Abdul Majid Siddiqi, M.A., (Osmania).
Do	(*Acting*)	Yusuf Husain D. Litt., (Paris),

LANGUAGES (ANCIENT AND MODERN).

Professor	..	Abdul Haq B.A., (Urdu).
Do	..	A. H. M. Nizamuddin, PH.D., (Cantab.), (Persian).
Do	..	Abdul Haq., B.Litt., D.Phil, (Oxon.) (Arabic).
Asst. Professor..		Sayyid Ghulam Nabi (Arabic).
Do	..	Saif bin Sultan Husain-Al-Qaiti M.A., LL.B., (Arabic).
Do	..	Sayyid Ibrahim (Arabic).
Do	..	Abdul Hamid Khan (Persian).
Do	..	Sayyid Sajjad Husain, M.A.,(Allahabad)(Urdu)
Do	..	Qari Sayyid Kalimullah Husaini, M.A., LL.B.,
Do		(Osmania), PH.D., (London). (Persian)
Do	..	Litif Ahamad Faruqi, M.A., LL.B. (Osmania). (Urdu).
Do	..	Abdul Qadir Sarwari, M.A. (Osmania). (Urdu).
Do	..	T. Rama Rao, B.A., (Madras). (Kanarese).
Do	..	R. Subba Rao (Telugu).
Do	..	Hari Har Shastri, (Sanskrit).
Do	..	G. Dhareshwar, B.A., (do)
Do	..	C. N. Joshi M.A., (Marathi).
Lecturer	..	Mirza Ali Yar Khan B.A., (Oxon.) (French).
Do	..	Sayyid Jafar Hasan PH.D., (Heidelberg). (German).

MATHEMATICS.

Professor	..	Qazi Muhammad Husain, B.A., LL.B., (Cantab.), M.A. (Punjab).
Do	..	Kishen Chand, M.A., (Cantab.).
Asst. Professor..		Shaikh Barkat Ali, M.A. (Osmania).
Do	..	Khawja Muhiuddin, M.A., (Madras)
Do	..	*Vacant.*

PHILOSOPHY.

Professor	..	Khalifa Abdul Hakim, M.A., LL.B., PH.D.,
	..	(Heidelberg).
Asst. Professor..		Maulvi Abdul Bari.
Do	..	Mir Valiuddin, M.A, PH.D., (London).
Do	..	*Vacant.*
Do	..	Motazid Waliur Rahman, M.A., (Punjab).
Do	..	Shiv Mohan Lal, M.A. (Alig).

PHYSICS.

Professor	..	Wahidur Rahman, B.SC., (Calcutta).
Do	..	*Vacant.*
Asst. Professor ..		Nasir Ahmad, M.A., B.SC., (Allahabad).
Do	..	*Vacant.*
Do	..	Sayyid Muhammad Ali Khan, B. SC., (Hons.), (London), A. R. C. S,

Demonstrator .. Sayyid Abdul Rahman, B.A., (Osmania).
Do .. Muhammad Yunus Vafaqani B.A., (Osmania) M.SC., (Dacca).

THEOLOGY.

Asst. Professor .. Manazir Ahsan Gilani.

MORALS.

Asst. Professor ..Zahiruddin Ahmad, D.Litt., (Egypt.)

FACULTY OF MUSLIM THEOLOGY.

Professor .. Abdul Qadir.
Asst. Professor .. Sher Ali (Philosophy of Islam).
.. Mufti Abdul Latif (Quran).
.. Muhammad Osman Jafari (Islamic Law).
.. Abdul Wasay (Hadith).
.. Abdul Qadir M.A. (Logic).
.. Fazal Ahmad (Tafsir).
.. Abdul Muqtadir (Fiqah).
.. Sripat Rao.
Librarian .. Yusufuddin Ahmad Siddiqi, B.A.

FACULTY OF LAW.

Professor .. Hosain Ali Mirza, Bar.-at-Law.
Asst. Professor . Mir Akbar Ali Musavi, B.A., LL.B., (Bombay).
Part-time Lecturers Mir Akbar Ali Khan, Bar.-at-Law.
Khaliluz Zaman, Bar.-at-Law.
Mahmud Ahmad, B.A., LL.B.
Sripat Rao.

Terms.

July to December and January to April.

Fees.

Intermediate	.. Rs. 60 per annum.	
B.A.	.. Rs. 80	do
M.A. OR M. Sc.	.. Rs. 100	do
LL.B. ..	.. Rs. 80	do

Hostels.

Four hostels are attached to the College. The cost of living is about Rs. 180 per annum.

Library.

The English and Oriental sections contain 26,889 volumes including 907 Mss. The staff and students of the University have also access to the Asafia Library, containing a large number of Mss. and rare books.

Number of Students.

	Faculty of Arts	Faculty of Theology	Faculty of Science	Faculty of Law
1st Year	98	5	..	..
2nd Year	137	4	..	..
3rd Year	94	7	..	..
4th Year	92	3	..	..
5th Year (M.A.) ..	8	..	..	..
6th Year ,, ..	7	2	..	..
5th Year (M.Sc.) ..	..	..	4	..
6th Year (,,) ..	..	..	3	..
LL.B. (Previous) ..	..	..	..	81
,, (Final) ..	..	..	..	26
Total ..	436	21	7	57

Subjects taught.

English, Muslim Theology, Morals, Arabic, Persian, Sanskrit, French, German, Urdu, Marathi, Telugu, Kanarese, History (India, England, Islam, Ancient and Modern Europe), Economics, Sociology, Mathematics, Physics, Chemistry, Biology, Logic Philosophy, and Law).

Laboratories.

Physical and Chemical, fitted up to the M. Sc. standard.

9. ZENANA COLLEGE, NAMPALLI.

Principal.

Miss Amina Pope, M.A., (Lond.) D. Litt., L.R.A.M., A.R.C. & M.R.A.S.

Lecturers.

English ..	Miss H. Gilson, B.A., L.T.
English History and Indian History..	Mrs. Brown, B. A.
Persian and Morals	Mrs. Muhammad Ali.
Arabic ..	Naushabah Khatun, B. A. (On sick leave).
Islamic History, Urdu & Theology	Nurunnisa Begum, B. A.

Subjects taught.

English.
Theology.
Morals.
Urdu.
Arabic.
Persian.
Indian History.
Islamic History.
English History.

10. INTERMEDIATE COLLEGES.

(1) THE CITY INTERMEDIATE COLLEGE.

Principal.

Sayyid Muhammed Azam, M.A., B.SC. (Cantab.).

Lecturers.

English	..	P. V. R. Sebastian, B.A. (on study leave)
		S. Malikarjan Rao, M. A. (acting).
		Ghulam Muhammad Ali, M.A.
Muslim Theology }	..	*Vacant.*
Morals	..	Yusuf Ali, M.A.
Persian	..	*Vacant.*
		Agha Mohsin.
Urdu	..	Abu Zafar Abdul Wahid, M.A.
History	..	Khwaja Muniruddin, M.A.
		Mir Mahmud Ali, M.A.
Economics	..	Fazlur Rahman, B.A.
Mathematics	..	S. N. Patwari, M.A.
Physics	..	Muhammad Ahmad Osmani, M.SC.
Chemistry	..	Ahmad bin Abdulla, B.A. M.SC.

Subjects taught.

English.
Muslim Theology.
Morals.
Persian.
Urdu.
History.
Economics.
Mathematics.
Physics.
Chemistry.

(2) THE AURANGABAD INTERMEDIATE COLLEGE.

Principal.

Sayyid Muhiuddin, B. A., Bar-at-Law.

Lecturers.

English	.. John Bhaktul, B.A., B.T.
Muslim Theology	Sayyid Muhammad.
Urdu & Morals	. Ghulam Taiyab, B.A.,
Persian & Arabic.	Muhammad Sabir.

Arabic	..	Muhammad Hasan Mahvi.
•Sanskrit & Marathi		Bhaskar Govind Shastri.
Economics and Indian History.		Sayyid Wahajuddin Ahmad, B.A., B.T.
English History & Indian History		Muhammad Ibrahim, M.A.
Physics	..	Azizur Rahman, M.SC.
Chemistry	..	B. N. Srikishen, M.SC.
Mathematics	..	Muhammad Ahmad, M.A.

Subjects taught.

English.
Theology.
Morals.
Economics.
History.
Arabic.
Persian.
Urdu.
Marathi.
Sanskrit.
Physics.
Chemistry.
Mathematics.

(3) THE WARANGAL INTERMEDIATE COLLEGE.

Principal.

Abdul Aziz Khan, B.A.

Lecturers.

English	..	Muhammad Abdus Salam, B.A., B.T.
History	..	Mir Zainulabedin, M.A., B.T.
Economics	..	Ahmad Abdul Aziz, M.A.
Mathematics	..	A. V. Gopal Rao, M.A.
Chemistry	..	Shariful Hasan Burney, M.SC., B.T.
Physics	..	Muhammad Fazluddin, M.SC.
Muslim Theology.		Muhaumad Yaqubur Rahman.
Morals	..	Sayyid Jafar Ali.
Telugu	..	Kundal Rao.

Subjects taught.

English.
Theology.
Morals.
Economics.
History.
Mathematics.
Physics.
Chemistry.
Telugu.

11. MEDICAL COLLEGE.

Principal.

Major Farhat Ali, B.A., M.B., ch.B., (Edin.).

Professors.

S. W. Hardikar, M.D., (Edin.), (Materia Medica and
Pharmacology).

Brij Mohan Lal, B.A., M.B., B.S., (on study leave).

S. P. Sahagal, M.B., B.S., (Anatomy). (Acting).

Syed Abdul Rahman, M. B. ch. B., (Edin.), (Physiology).

Mufti Shah Nawaz, M. B. B. S., (Pathology). (Acting).

Asst. Professors.

Abhyankar, M. B. B. S. (Physiology).

P. V. Ranga Reddy, L.C.P. & S. (Anatomy), (Acting).

Demonstrators—(Temporary).

S. Raghvendar Rao, L.C.P. & S., (Physiology).

Yaswant Rao, L. M. & S., (Pathology).

C. D. Nagaratnam, L. M. & S., (Materia Medica & Pharmacology).

Sayyid Abid Hosain, L. M. & S., (Physiology).

Part-time Lecturers.

Major Enayat Ali Khan, M. B. ch. B., (Medicine).

Khurshid Husain, M. B. ch. B., (Surgery).

Abdul Rahim, B. A., M. B. ch. B., (Opthalmology).

A. Lateef Sayeed, M. B. ch. B., (Medical Jurisprudence).

H. J. Chenoy, L. R. C. P. & S., (Hygiene).

Capt. M. R. W. Hart, M. R. C. S., L. R. C. P., M. B. E., (Midwifery
and Gynæcology).

12. ENGINEERING COLLEGE.

President.

Nawab Ali Nawaz Jung Bahadur, F. C. H.

Secretary.

Vacant.

Professors.

Samiullah Shah, B.SC. (Alld.). B.SC. Hons. (Manchester),
A. M. I. C. E., (London).
Babu Lalit Mohan Mukerji, B.A., C.E.

Lecturers.

Muhammad Masoodullah, B. SC., (Manchester), (Civil Engineering).
B. K. Ghosh, B.SC. (Calcutta), B.A. (Cantab.), F. R. C. S.
.   (London), (Surveying).
Muhammad Hafizullah, B.SC. (Allahabad), (Drawing).
Mirza Mehdi Ali, B.E. (Applied Mechanics).

Mechanical Engineer.

Abdullah Hasan, B.SC. (Allahabad).

Demonstrator (Electric Engineering).

Muhammad Afzal Ali Khan, B.SC. (Calcutta), B.SC. (Manchester),
A. M. I. M. E., A. M. I. E. E.

18. TRAINING COLLEGE.

Principal.

Muhammad Hafizullah, B.A., L.T.

Lecturers.

Malik Sardar Ali, B.A., B.T...(Psychology, Principles of Education and Child Education.)

Mir Ahmad Ali, M.A., M. Ed. (Leeds) Bar.-at-Law .. (History of Education, Comparative Education and Method of Teaching History.)

D. D. Shenderker, B.A., B.T., T.D., Ph. D.—(London) School Organization, Education Tests and Teaching of Mathematics and Science.)

Part-time Lecturers.

Khawja Muhiuddin, M.A. (Mathematics).

Riazuddin Khan, B.A., B.T. (Geography).

14. THE BUREAU OF TRANSLATION.

The Bureau of Translation which was opened in Aban 1326 Fasli with Maulvi Abdul Haq Sahib as Curator has so far taken in hand 307 books of which 150 have been published and the rest are either in the Press or under revision and translation. Arrangements are now being made to translate books on various subjects required by post-graduate students and for the Faculties of Medicine and Engineering.

The staff of the Bureau consists of one Curator (500—1,000), 12 Translators (6 on 350—600 and 6 on 250—400) in addition to a Literary Adviser (500) and a Religious Censor (500). The Department of Medical Translations consists of an Assistant Curator (300) and 3 Translators (350-600) each and 3 Translators (500) each. Besides the salaried staff a large number of works is being translated by outsiders on piece-work.

The following gentlemen are on the staff at present :—

Curator ..	..	Muhammad Enayatullah, B.A.
Assistant Curator. (Medical Branch).	..	Major Farhat Ali, B.A., M.B., ch.B.
Religious Censor	..	Abdullah Emadi.
•Literary Adviser	..	Shabbir Hasan Josh.

Translators :—

Political Science	..	Qazi Talammus Husain, M.A.
History	..	Sayyid Hashimi.
Law	..	Masood Ali, B.A.
Philosophy	..	Mirza Muhammad Hadi, B.A.
do (Additional)	..	Ehsan Ahmad, B.A.
Mathematics	..	Naziruddin, M.A.
Economics	..	Rashid Ahmad, B.A.
Arabic	..	Sayyid Muhammad Ibrahim, M.A., M.O.L.
do (Additional)	..	Abul Khair Maududi.
Science	..	Sardar Baldev Singh, B.A.
History	..	Muhammad Abdul Sattar, M.A.
Persian	..	Fida Ali Talib.
Medicine	..	Fazle Karim Khan, M.B., B.S.
do	..	Muhammad Osman Khan, L.M. & S.
do	..	Sayyid Mukhtar Husain, B. SC. M. B. B. S. (Temporary).
do	..	Ghulam Dastagir, M. B. B. S. (Temporary).
do	..	Muhammad Husain, M. B. B. S. do
do	..	Khalil-ur-Rahman, B. SC., M. B. B. S. (Offg).

15. THE DAIRAT-UL-MAARIF.

The Dairat-ul-Maarif was founded by the late Nawab Imadul Mulk Bahadur (Syed Husain Bilgrami, C.S.I.) and the late Mulla Abdul Qayyum Sahib in 1295 Fasli for the publication of rare books in Arabic. It commenced its work in 1299 Fasli with a grant of Rs. 500 per mensem from His Exalted Highness' Government. Subsequently in 1329 F. an endowment of one lac of rupees was made over to the Institution and in 1331 F., His Exalted Highness was graciously pleased to sanction an additional grant of Rs. four lacs and this total endowment Rs. five lacs brings an annual income of Rs. 30,000.

The Institution was placed under the control of the University on the sad death of Nawab Imadul Mulk Bahadur on the 2nd Thir 1335 F.(24th Zikadah 1344 H.). Dr. Nawab Sir Hydar Nawaz Jung Bahadur, Finance Member, Executive Council, is now the Chairman of the Executive Committee with whom the management rests and Nawab Mahdi Yar Jung Bahadur is the Secretary. This Committee is helped by a literary Committee which assists it in selecting books for publication, etc.   The staff consists of a Superintendent, an Asst. Superintendent, and six Arabic scholars who edit the texts and correct proofs.   They are helped in their work by the noted European Orientalist Mr. Krenkow, who secures for the Institution copies of rare books in the British Museum and other European libraries ; besides correcting texts, reading proofs, etc. The total number of Arabic books published by this institution is 63, but some of them are in four to twelve volumes.   Its publications are in great demand not only in India but in Egypt, Arabia, Afghanistan and Europe.

16. THE NIZAMIAH OBSERVATORY.

General.—The history of the Observatory dates from the time the late Nawab Zafar Jung Bahadur, presented to the Government two fairly large telescopes, which he had originally purchased for his private use during his sojourn in Europe. When the matter of the bequest was before the Government Sir A. Hydari (Nawab Hydar Nawaz Jung Bahadur) the then Financial Secretary, now Minister of Finance, in a long note on the subject, referred to the importance of the gift and emphasised the unique opportunity that had been thus afforded for the establishment of an Observatory at Hyderabad, for the cultivation of the science of astronomy. The suggestion was adopted, and on H.H. the Nizam graciously sanctioning the scheme, it was decided to establish a fully equipped observatory with the two telescopes as a nucleus. Mr. Chatwood was appointed Director in 1908 and soon after his arrival in Hyderabad, he selected a suitable site for the Observatory and promptly started the construction of the necessary additional buildings for the accommodation of the .instruments and of a small workshop. The photographic equatorial was erected by the beginning of 1910 when the formal dedication of the Observatory took place. There was some delay in commencing regular work with this telescope as some of the parts had to be returned to England for necessary alterations and a suitable following telescope had to be constructed afresh. By the time Mr. Chatwood's term of office expired in March 1914, he had made a commencement with regular astronomical observations and had also given an efficient training to a small staff of assistants. Mr. Pocock succeeded to the Directorship and vigorously pushed on the astronomical work that the Observatory had undertaken, with the result that substantial progress was achieved in all branches under his direction. His death occurred in October 1918 and by that time two volumes of results were collected and published. In November 1919, the Observatory was transferred to the Osmania University and placed under the administrative control of the University Council.

Equipment.—The principal equipment of the Observatory consists of :—

   (1) A 8″ photographic telescope with accessories.
   (2) A 15″ visual telescope equatorially mounted (the erection of this instrument was carried on in 1922-23 under the supervision of the present Director).
   (8) A 2¾″ Transit Instrument and a drum chronograph.

(4) Three astronomical clocks and two chronometers.

(5) A set of Electric Transmitting Pendulums and dials to operate in connection with them.

To these has recently been added two Milne-Shaw Seismographs now temporarily erected in the basement room of the Astrographic Equatorial house.

Astronomical work.—At the time the Observatory was established, it was felt that whatever work is carried on at the institution should form part of a systematic plan and should possess considerable scientific value. Instead of diverting attention among a number of individual isolated researches, the policy of the Observatory had been to adopt a middle course, by carrying on, as a routine programme some outstanding piece of work, in which the co-operation of the institution would to some extent contribute to the general advancement of science at the same time without losing sight of the number of special investigations that arise having a bearing on the central subject. When the Observatory was ready to start on regular work it was recommended by the eminent astronomers, Sir David Gill, Prof. Turner and others, that this institution can advantageously co-operate in the great international undertaking entitled the " Carte du Ciel." As the Government was willing to accede to this recommendation, a section originally assigned to a South American Obseravtory, but neglected owing to some adverse circumstances was allotted to the Nizamiah Observatory. The region is now very nearly complete and the preliminary results of about half the section have been published.

With the Grubb Equatorial erected in 1923, a start has been made with the regular observation of a few variable stars, specially near their minima when observations with this telescope, on account of the larger light gathering power, are particularly valuable.

The Transit Instrument is employed for determining clock corrections systematically and when the necessary apparatus is required, it is proposed to control the time gun at Hyderabad by means of signals from the Observatory Standard Clock.

Daily records are obtained with the Seismograph since September 9, 1923. The results are forwarded to the International Seismological Association.

Publications.—The Hyderabad Astrographic Catalogue, Vols. I to VI forms the most important among the publications of the Observatory. Several short papers, now numbering about forty dealing with matters of technical interest have been published in various periodicals.

Library.—A small working library is in course of formation and contains at present about 800 volumes. A part consists of publications of other observatories received as exchanges.

Staff.—The establishment consists of three assistants and eight computers, besides a clerk and a mechanic.

Mr. T. P. Bhaskaran, M.A., F.R.A.S., is the present Director.

17. RULES AND SUBJECTS FOR EXAMINATIONS.

FACULTY OF ARTS.

Matriculation Examination.

1. The Matriculation Examination shall be held once a year at Hyderabad, Aurangabad, Gulburga, Warangal and Bhopal at such time and on such date as the Syndicate may prescribe.

2. The examination shall be open to : —

(i) All those who have satisfactorily prosecuted a regular course of study for this examination at one or more High Schools recognised by the Osmania University. Such candidates shall be named *pupil candidates*.

(ii) All those who have studied privately either in the Dominions or outside for this examination, provided that they shall not have attended any high school recognised by the University for not less than six months prior to the date of the examination.

(iii) All those who have passed the Maulvi or the Munshi Examination of His Exalted Highness the Nizam's Government, or of the Punjab University up to the year 1906. Such students will have to appear in English only and in the case of those who have passed in the Munshi Examination, in Islamic Theology or Morals also, on passing in which subject or subjects they will be considered to have passed in the whole of the examination.

3. No candidate shall be admitted to the Matriculation Examination unless he shall have completed the age of fifteen years by the first day of Shahrewar (July) of the year in which he applies for admission to the examination.

4. Applications for admission to the examination in the form prescribed must reach the Registrar not less than two months before the commencement of the examination, accompanied by a fee of Rs. 10 in the case of pupil candidates, Rs. 15 in the case of candidates referred to in Rule 2 (ii), and Rs. 5 in the case of candidates referred to in Rule 2 (iii).

5. Pupil candidates must submit the following certificates from the Head-master of the school where they last studied together with their application for admission : —

(1) Certificate of attendance stating that the student has attended school in the Matriculation class for not less than 60 per cent. of the working days during the school year immediately preceding the examination.

- (2) Certificate of good character and good conduct at school.
- (3) Certificate of age in accordance with Rule 3.
- (4) Certificate of progress in the subjects of study.

In cases recommended by the Head-master, the Syndicate may for sufficient reasons condone deficiency in attendance not exceeding 31 days. When a student has studied in two or more schools during the school year immediately preceding the examination, his combined attendances in all schools attended by him during the period will be taken into account in determining his attendance.

6. Candidates referred to in Rule 2 (ii) must submit the following certificates from the Head-master of a Government High School recognised by this University :—

(1) Certificate stating that the student has passed a Test Examination held in the school to test the fitness of candidates appearing from that school for the Matriculation Examination.

(2) Certificate of good character.

(3) Certificate of age in accordance with Rule 3.

7. Candidates referred to in Rule 2 (iii) must, in addition to the original certificate showing the examination passed on the basis of which application is being made, submit the following certificates from the Head-master of a Government High School recognised by this University :—

(1) Certificate stating that the candidate has passed a Test Examination in English and Theology, held in the school to test the fitness of candidates appearing from that school for the Matriculation Examination.

(2) Certificate of good character.

(3) Certificate of age in accordance with Rule 3.

N. B.—Teachers from the recognized schools of the University will be exempted from passing a test Examination provided they produce a certificate from the Divisional Inspector of Schools stating that the candidate is eligible for admission to the matriculation class and that he is expected to get through.

8. Candidates who have once been duly permitted to appear at this examination are entitled to appear at any subsequent Matriculation Examination as private candidates under Rule 2 ii) and (iii) on production of certificates (1) and (2) mentioned above.

9. On receipt of the application and the fee prescribed and the necessary certificates, the Registrar shall, at least a fortnight before the examination cause to be furnished to the candidate a receipt for the fee received, which will also serve as a ticket of admission to the examination hall to be produced by the candidate when called for.

10. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the fee.

11. The Matriculation Examination shall be conducted by means of printed papers. Papers will be set and answered in Urdu with the following exceptions :—

1. European Languages   .. Ordinarily in English.
2. Sanskrit, Prakrit or Pali .. In the language itself or in English or Urdu.
3. Modern Indian Vernaculars In the language itself or in Urdu.

N. B.—In the case of these exceptions, the Registrar will, six months before the date of the examination, notify the language in which the paper will be set, and candidates will be expected to answer in that same language unless by a previous arrangement with the Registrar, they have been permitted to answer in any of the alternative languages above specified.

12. The examination will be held in the following alternative groups :—

GROUP A.

1. English.
2. Urdu.
3. Elementary Mathematics.
4. History of India and Geography.
5. Theology or Morals.
6. One of the following :—
   (i) History of England.
   or (ii) One of the following languages :—
Arabic, Persian, Sanskrit, Marathi, Telugu, Kanarese, Tamil, French, German, Greek and Latin.

GROUP B.

1. English.
2. Urdu.
3. Higher Mathematics, including some questions on Elementary Mathematics.
4. History of India and Geography.
5. Theology or Morals.
6. Science.

N. B.—Students taking Group (1) will have to undergo training in Science in the Matriculation Class for three hours a week. Girl candidates will have to undergo training in Domestic Science for three hours a week. There will however be no University Examination in these subjects. Syllabuses are given in Appendix I.

(1) ENGLISH.

There shall be two papers in English each of three hours' duration. The first paper (100 marks) will be on the Detailed Texts, Grammar and Idiom. The second paper (100 marks) will be as follows.—

Marks

Composition and Translation from Urdu   .. 70
Non-Detailed Texts   30

(2) URDU.

There will be two papers each of two hours' duration in this subject ; the first paper (50 marks) will be on the prescribed texts and the second will be on Grammar (20 marks) and Composition (30 marks).

(3) MATHEMATICS.

(i) Elementary Mathematics (for the students taking Group A).

Two papers as follows :—

First paper of three hours' duration will be on Arithmetic (50 marks) and Algebra (40 marks).
Second paper of 2½ hours' duration will be on Geometry (35 marks) and Mensuration (25 marks).

(ii) Higher Mathematics (for the students taking Group B).

Two papers (100 marks each) of three hours' duration will be set. First paper will be on Arithmetic (40 marks) and Algebra (60 marks). Second paper will be on Geometry, Practical and Theoretical (70 marks), and Mensuration (30 marks).

(4) HISTORY AND GEOGRAPHY.

Two papers each of two hours' duration will be set :—
1st Paper—History of India   .. 50 marks
2nd Paper—General Geography of the World
         with special reference to India.. 50 marks

(5) THEOLOGY OR MORALS.

There will be one paper (100 marks) of three hours' duration in this subject.

N. B.—Examination in Theology or Morals shall be regarded as qualifying examination and the marks gained by a candidate in the subject shall not be included in the grand total of the marks ; but no student can go up for a higher examination unless he has qualified in Theology or Morals in the lower examination. Students who have once passed in Theology or Morals at an examination will not be examined in these subjects if they appear again at that examination.

(6) *a.* History of England or Languages (for students taking Group A).

b. Science (for students taking Group B).

a. HISTORY OF ENGLAND.

There will be one paper of three hours' duration in this subject.

LANGUAGES.

Any one of the following languages :— .

Arabic, Persian, Sanskrit, Marathi, Telugu, Kanarese Tamil, French, German, Latin and Greek,

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There will be two papers in each of these languages of two hours' each, the first paper (60 marks) will be on the prescribed text-books and the second paper (40 marks) will be on Grammar and Translation.

(*b*) SCIENCE—Physics and Chemistry

There will be one paper of three hours' duration (100 marks) in this subject.

13.　No candidate shall be declared to have passed the examination unless he obtains 30 per cent. of the full marks in each subject.　Should a candidate, however, not obtain 30 per cent. of the full marks in *one subject only* he shall, notwithstanding, be declared to have passed the examination, provided he secures 25 per cent. in that subject and makes an aggregate of 40 per cent.

14.　Successful candidates who obtain 60 per cent. of the aggregate marks shall be placed in the Honours Division, those obtaining 50 per cent. in the First Divison and those obtaining 40 per cent. in the Second Division.　All other candidates shall be placed in the Third Division.

Successful candidates of Honours Class and First Class shall be arranged in order of proficiency as determined by the total number of marks obtained.　The Second and Third Class shall be arranged in the serial order of their roll numbers.

15.　A certificate signed by the Registrar shall be given to each successful candidate setting forth the date of the examination the subjects in which he was examined and the division in which he was placed.

16.　For the purposes of the Compartment System the examination is divided into the following groups :—

(1) English.

(2) Theology or Morals.

(3) Other subjects prescribed for the examination.

A candidate passing in a group shall be exempted from reappearing in that group at a subsequent examination provided that he has appeared in all the subjects of the examination and that he has secured not less than 35 per cent. of the marks in the aggregate.　For passing in a group it shall be necessary that the candidate obtains 30 per cent. of the marks in the subjects of the group or in each of the subjects composing the group when the group consists of more than one subject.

17.　The Registrar shall maintain and publish for general information, a list of High Schools recognised by the University

Intermediate Examination.

1. The Intermediate Examination shall be held once a year in Hyderabad, at such time and on such date as the Syndicate may prescribe.

2. The Examination shall be open to :—

(*i*) All Matriculated Students of the Osmania University who have since Matriculation prosecuted for not less than two academic years a prescribed course of study at a college of the Osmania University.

(*ii*) All those students who have matriculated at any of the Indian Universities or obtained the High School Leaving Certificate or passed any other such examination as the University may from time to time consider equivalent, and who have been admitted as undergraduates of the University, and have since Matriculation prosecuted for not less than two academic years a prescribed course of study at a college of the Osmania University.

N.B.—(*a*) Students who have obtained a High School Leaving Certificate of His Exalted Highness' Government under the old rules can be admitted to a college of the Osmania University only at the discretion of the Principal.

(*b*) Students who have passed the examination under the new rules of the High School Leaving Certificate Board taking Urdu either as an additional language or for vernacular composition will be admitted automatically, while those who have not taken Urdu in either of these ways will be admitted on their satisfying the Principal as to their knowledge of Urdu for which test no fee will be charged.

(*c*) Students who have obtained the certificates issued by the High School Leaving Certificate Board in the various Provinces of the British India, will be admitted to the Osmania University in case they are eligible for admission to a University of the Province to which they belong and can satisfy the Principal as to their knowledge of Urdu.

(*iii*) Students who have satisfactorily prosecuted a regular course of study for the year immediately preceding the examination at a college of the Osmania University and who have been permitted under Regulation 3 below, to reckon a previous year of study at a college of any University recognised for the purpose by the University.

3. Any student may be admitted into the second year class of a college of the Osmania University provided he produces a certificate from the Principal of the college he was last attending, (affiliated to any of the Universities recognised by the University), stating that the first year at college has been duly kept by him according to regulations in force at the University from which he is migrating and that in the Principal's opinion he was fit for promotion to the second year class of that college.

4. No candidate from a college of the University will be permitted to present himself at the Intermediate Examination in any Science subject, for which a practical course is necessary under these rules, unless he shall produce a certificate from the Principal of such college to the effect that he has completed the required course in the college laboratories. In the case of candidates in Science subjects under Regulation 5 of these rules, evidence must be produced that the candidate has completed the required course at a laboratory approved of by the University.

5. Persons coming under the following descriptions, though not belonging to a college of the University, will be allowed to appear privately for this examination :—

    (a) Inspecting Officers of State Educational Department and whole-time teachers employed in educational institutions recognised by the University or by the Educational Department, provided they are certified by the Divisional Inspectors of Schools to have rendered continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.

    (b) Laboratory assistants serving in a college of the University, provided that they produce from the Principal of the college in which they are employed, the certificate of laboratory work required from all Science candidates under regulation 4, and also a certificate from the same authority of continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.

    (c) Whole-time librarians serving in the library of any constituent college or the Asafia Library or any other library approved by the Syndicate for this purpose, provided that they produce a certificate from the Librarian of the library in which they are employed, of continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.

    (d) Women candidates.

Provided also that in all the above cases, by the date of the examination, not less than two academic years shall have elapsed since the date of their passing the Matriculation Examination or its equivalent.

6. Candidates from a college of the University who have been allowed to appear at the examination once but have not been able to appear or have failed to pass may be admitted as private candidates to a subsequent examination, provided they do not change the subjects they had studied at college. In case they change any of their subjects they shall be required to put in fresh attendance in the college in the subject or subjects they have changed.

7. Application of private candidates for admission to this examination, in the form prescribed must reach the Registrar not less than two months before the examination, accompanied by a fee of Rs. 20.

8. In the case of college candidates, applications for admission and certificates of attendance in the prescribed form together with a fee of Rs. 20, for each candidate shall be forwarded by the Principal so as to reach the Registrar four weeks before the examination.

In special cases the Principal may hold back the certificates of attendance. Such certificates must, however, reach the Registrar in no case later than three weeks before the examination.

The attendance required shall not be less than 66 per cent. of the full course of lectures delivered in each of the subjects in which the candidate desires to be examined. The Syndicate may, on the recommendation of the Principal of a college of the University, condone for sufficient reasons deficiency in attendance.

9. Upon the receipt of the application and the fees prescribed and also the attendance and progress certificates in case of candidates from colleges, the Registrar shall at least a week before the examination, cause to be furnished to the candidate a receipt for each fee received, which will also serve as a ticket of admission to the examination hall, to be produced by the candidate in the hall, if called for.

N.B.—A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the admission fee.

10. The Intermediate Examination shall be conducted by means of printed papers. Papers will be set and answered in Urdu with the following exceptions :—

(1) European Languages	Ordinarily in English.
(2) Sanskrit, Parakrit or Pali	In the language itself or in English or Urdu.
(3) Modern Indian Vernaculars.	In the language itself or in Urdu.

N.B.— In the case of these exceptions, the Registrar will, six months before the date of the examination, notify the language in which the paper will be set, and candidates will be expected to answer in that language unless by a previous arrangement with the Registrar they have been permitted to answer in any of the alternative languages above specified.

11. The subjects for examination and the arrangement of the papers to be set in the different subjects shall be as follows :—

I. ENGLISH—Three papers (100 marks each paper).
In English there will be three papers each of three hours, duration, one on Detailed Prose texts (100 marks), one on Poetry (65 marks) and Non-Detailed Prose texts (35 marks) and a third paper (100 marks) on Composition, Unseens and Translation.

II. Any three subjects from either of the following two groups :—

GROUP A.

(1) ENGLISH HISTORY, Political and Constitutional, 1066 to the present day.

Two papers each of three hours' duration will be set, which will include questions on historical geography :

Paper I.—1066 to 1485 (with general knowledge of the development of the constitution upto 1066).

Paper II.—1485 to the present day.

(2) ISLAMIC HISTORY, From the birth of the Prophet upto the end of the Moorish Empire in Spain and the decline of the Fatemide Caliphate.

Two papers each of three hours' duration will be set which will include questions on historical geography :—

Paper I.—The Prophet, first four Caliphs and Omeyades

Paper II.—Abbasides, Muslim rule in Spain and the Fatemide Caliphate.

(3) INDIAN HISTORY (with special reference to the History of the Deccan.)

Two papers each of three hours' duration will be set, which will include questions on historical geography :—

Paper I.—Upto the year 1556.

Paper II.—From 1556 to the present day.

(4) ANCIENT EUROPE (Greek History up to the Roman Conquest and Roman History up to 476 A.D.)

Two papers each of three hours' duration will be set which will include questions on historical geography :—

Paper I.—Greek History, up to 146 B.C.

Paper II.—Roman History, up to 476 A.D.

(5) MEDIEVAL EUROPE, 476 to 1453.

Two papers each of three hours' duration will be set which will include questions on historical geography :—

Paper I.—476 to 1096.
Paper II.—1096 to 1453.

(6) MODERN EUROPE (1453 onwards).

Two papers each of three hours' duration will be set which will include questions on historical geography :—

Paper I.—1453 to 1789.
Paper II.—1789 to the present day.

(7) ECONOMICS.

There shall be two papers in Economics, each of three hours duration.

Paper I.—General Economics.
Paper II.—Indian Economics.

(8) SOCIOLOGY.

There shall be two papers in Sociology each of three hours duration :—

Paper I.—Theoretical Sociology.
Paper II.—Practical Sociology.

(9) One of the following Modern Languages:—

Urdu, Persian, Marathi, Telugu, Kanarese, French and German.

Two papers each of three hours' duration will be set in each of these languages. The first paper (100 marks) will be on the prescribed text-books. The second paper (100 marks) on Grammar, Composition and Translation will consist of an essay and questions on composition and pieces of Urdu prose for translation into the language selected.

In Urdu the distribution of papers will be as follows :—

Paper I.—Prose	50	marks.
Poetry	40	,,
Non-Detailed	10	,,
Paper II.—Grammar, Prosody, etc.	25	,,
Composition	50	,,
Translation from Urdu into Hindi	15	,,
Translation from Hindi into Urdu	10	,,

(10) One of the following Classical Languages :—

Arabic, Persian (unless already taken under 9), Sanskrit, Latin and Greek.

Two papers each of three hours' duration will be set in each of these languages. The first paper (100 marks) will be on the prescribed text-books. The second paper (100 marks) in all the languages except Arabic will be on Grammar and consist of pieces of Urdu prose for translation into the languages selected.

The division of the marks in Arabic 2nd paper well be as follows :—

Grammar	40 marks.
Translation from Arabic into Urdu	30 ,,
Translation from Urdu into Arabic	30 ,,

(11) LOGIC.—Deductions and Induction.
There will be two papers in Logic each of there hours duration.
Paper I.—Deductive Logic
Paper II.—Inductive Logic

(12) PSYCHOLOGY.
There will be two papers in Psychology, each of three hours' duration.
Paper I.—Problems and Methods of Psychology, Pscyhological Organism and Nervous System, Sensation, Perception, Discrimination and Association, Attention, Habit.

Paper II.—Rest of the subject.

NOTE (1)—Only the following combinations of subjects shall be allowed—
A. Logic, Psychology, and a Classical Language.
B. (a) A Classical Language, Modern Language, and one of the following.
English History.
Indian History.
Islamic History
Economics.
Sociology.
N.B.—Persian to be treated as a classical language.
(b) Arabic, Persian, and either Islamic History or Indian History.
* C. (a) English History.
(b) One of the following :—
Islamic History.
Indian History.
European History.
(c) A Classical Language (Arabic, Persian and Sanskrit) Marathi or Telugu or Economics or Sociology.

GROUP B.

(1) PHYSICS.
There will be two papers in Physics each of three hours' duration.

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* Candidates desirous of taking History for their B. A. Examination shall be required to take this combination.

Paper I.—General Properties of Matter, Heat and Sound
75 marks.

Paper II.—Light, Electricity and Magnetism 75 ,,

There will also be a Practical examination of three hours' duration for which 50 marks will be assigned.

(2) CHEMISTRY.

There will be two papers in Chemistry each of three hours duration.

Paper I.—General Chemistry and Organic Chemistry
75 marks.

Paper II.—Metals and Non-Metals 75 ,,

There will also be a Practical examination of four hours' duration for which 50 marks will be assigned.

(3) BIOLOGY.   Marks.

BOTANY.—Paper I. Theoretical	..	2½ hours	60
Paper II. Practical	..	2 hours	40
ZOOLOGY.—Paper I. Theorotical	..	2½ hours	60
Paper II. Practical	..	2 hours	40

N.B.— In order to secure a pass the candidate shall have to obtain 30 per cent. of the full marks in the subject and a minimum of 20 per cent. in each of the branches, *viz.*, Botany and Zoology.

(4) MATHEMATICS.

(1) First paper of three hours' duration will be on Geometry Plane and Solid (60 marks) and Geometrical Conics (40 marks),

(2) Second paper of two hours' duration will be on Algebra (50 marks).

(3) Third paper of two hours' duration will be on Trigonometry (50 marks).

III. THEOLOGY OR MORALS.

There will be one paper of three hours' duration in this subject, carrying 100 marks.

N.B.—Examinations in Theology or Morals shall be regarded as qualifying Examinations and the marks gained by a candidate in the subjects shall not be included in the grand total of the marks ; but no student can go up for a higher examination unless he has qualified in Theology or Morals in the lower examination. Students who have once passed in Theology or Morals at an examination will not be examined in these subjects if they appear again at the Examination.

12. No candidate shall be declared to have passed the examination unless he obtains 30 per cent. of the full marks in each subject, and 33 per cent. in the aggregate. Should a candidate, however, not obtain 30 per cent. of the full marks in *one subject only*, he shall be declared to have passed the examination, provided he secures not less than 25 per cent. in that subject and makes an aggregate of 40 per cent.

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From 1342 F. candidates will be required to secure 33 per cent. of the full marks in each subject. Should a candidate, however, not obtain 33 per cent. of the full marks in one subject only, he shall be declared to have passed, if he secures not less than 30 per cent. in that subject and makes an aggregate of 40 per cent.

13. Those of the successful candidates who obtain 60 per cent. or more of the aggregate marks will be placed in the First Class, those obtaining 45 per cent. or more but less than 60 per cent. in the Second Class, and the others in the Third Class.

The names of successful candidates placed in the First Class shall be arranged in order of merit as determined by the total marks obtained by each candidate. The names of others placed in the Second and Third Classes shall be arranged in the serial order of their roll numbers.

14. A certificate signed by the Registrar shall be given to each successful candidate setting forth the date of the examination, the subjects in which he was examined and the class in which he was placed.

15. For the purposes of the Compartment System, the examination shall be divided into the following two groups :—

(1) English.

(2) Optional subjects.

A candidate passing in any one of these groups shall be exempted from appearing in that group at a subsequent examination, provided that he has secured not less than 35 per cent. of the marks in the aggregate and that in the group in which he fails he makes an aggregate of not less than 25 per cent. But the candidate who so fails to pass only in one group shall be allowed, if he so desires, to appear for the whole of a subsequent examination.

The results of candidates taking the option of appearing in the whole examination in a subsequent year, will be adjusted solely on the merits of the subsequent examination.

No candidate shall be classed unless he has passed in the whole examination at one attempt.

Candidates who appear in a subsequent Examination in the group in which they failed in the previous examination, will be required to secure 30 per cent. (33 per cent. from 1342 F.—1933 A. D.) of the marks in each subject of the group.

B. A. Examination.

1. The examination for the degree of Bachelor of Arts shall be held once a year in Hyderabad, at such time and on such date as the Syndicate may prescribe,

2. The examination shall be open to :—

(1) All students who have satisfactorily completed a regular course of study in a college of the University for not less than two academic years after passing the Intermediate Examination of the Osmania University or an examination or test accepted by the University as equivalent thereto.

(2) Students who have satisfactorily prosecuted a regular course of study for the year immediately preceding the examination at a college of the Osmania University and who have been permitted, under Regulation 3 below, to reckon a previous year of study since passing the Intermediate Examination or its equivalent at a college of a University recognised for the purpose by the University.

3. Any student may be admitted to the final class of a college of the Osmania University, provided he produces a certificate from the Principal of the college (affiliated to any of the Universities recognised by the University) he was last attending, that the penultimate year of his degree course at college has been duly kept according to the regulations in force at the University from which he is migrating and that in the Principal's opinion he was fit for promotion to the final class of that college.

4. Persons coming under the following descriptions, thought not belonging to a college of the University, will be allowed to appear privately for this examination :—

N.B.—Private candidates shall not be allowed to take up any subject unless provision has been made for the teaching of that subject in the University College. They should therefore ascertain, from the Registrar, before applying for permission, whether regular students of the University are taking up those subjects.

(a) Inspecting Officers of the State Educational Department, and whole-time teachers employed in educational institutions recognised by the University or by the Educational Department, provided they are certified by the Divisional Inspectors of Schools to have rendered continous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.

(b) Laboratory assistants serving in a college of the University provided that they produce from the Principal of the College in which they are or have been employed the certificate of laboratory work required from all Science candidates under Regulation 11 and also a certificate from the same authority of continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.

(c) Whole-time librarians serving in the library of any constituent college, or the Asafia Library or any other library approved by the Syndicate for this purpose, provided that they produce a certificate from the Librarian of the library in which they are employed of continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.

(d) Women candidates.

Provided also that in all the above cases, by the date of the examination, not less than two academic years shall have elapsed since the date of their passing the Intermediate Examination or its equivalent.

5. Candidates from a college of the University who have been allowed to appear at the examination once but have not been able to appear or have failed to pass may be admitted as private candidates to a subsequent examination, provided they do not change the subjects they had studied at college. In case they change any of their subjects they shall be required to put in fresh attendance in the college in the subject or subjects they have changed.

6. Applications of private candidates for admission to this examination, in the form prescribed must reach the Registrar not less than two months before the examination, accompanied by a fee of Rs. 30.

7. In the case of college candidates, applications for admission and certificates of attendance and progress in the prescribed form together with a fee of Rs. 30 for each candidate shall be forwarded by the Principal so as to reach the Registrar four weeks before the examination.

In special cases the Principal may hold back the certificates of attendance. Such certificates must, however, reach the Registrar in no case later than three weeks before the examination.

The attendance required shall not be less than 66 per cent. of the full course of lectures delivered in each of the subjects in which the candidate desires to be examined. The Syndicate may, on the recommendation of the Principal of a college of the University, condone for sufficient reasons deficiency in attendance.

8. Upon the receipt of the application and the fees prescribed, and also the attendance certificates in case of candidates from colleges, the Registrar shall at least a week before the examination, cause to be furnished to the candidate, a receipt for each fee received, which will also serve as a ticket of admission to the examination hall, to be produced by the candidate in the hall, if called for.

N.B.—A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the admission fee.

. 9. The B. A. Examinations shall be conducted by means of printed papers. Papers will be set and answered in Urdu with the following exceptions :—

(1) European Languages	Ordinarily in English.
(2) Sanskrit, Prakrit or Pali.	In the language itself, or in English or in Urdu.
(3) Modern Indian Vernaculars.	In the language itself or in Urdu.

N. B.—In the case of these exceptions, the Registrar will, six months before the date of the examination, notify the language in which the paper will be set, and candidates will be expected to answer in that language unless by a previous arrangement with the Registrar they have been permitted to answer in any of the alternative languages above specified.

10. The subjects for examination are as follows :—

I. English.

II. One of the following schools :—

(*a*) Languages.
(*b*) Science.
(*c*) History.
(*d*) Philosophy.

III. Theology or Morals.

I. *English :*—

4 papers as follows :—

(i) Detailed Prose Texts	..	..100 marks
(ii) Detailed Poetry Texts	..	..100 ,,
(iii) Essay ..	..	.. 75 ,,
Unseens ..	..	.. 25 ,,
(iv) Non-Detailed Texts	..	.. 60 ,,
Outlines of English Literature		.. 40 ,,

II. (*a*) *Languages :*—

One of the following Classical Languages :—

Persian with Elementary Arabic.
Arabic. ·
Sanskrit.
Latin.
Greek.

AND one of the following Modern Languages :—

Persian (unless already taken), a knowledge of elementary Arabic essential.

Urdu with Hindi Bhasha.
Telugu.
Marathi.
Kanarese.
French.
German.

A knowledge of the history of the language and literature in the languages selected will be required.

There will be three papers in each of the two languages selected.

The first paper in Arabic and Sanskrit will be on Prose (75 marks) and History of Literature (25 marks); the second paper will be on Poetry (75 marks), and Rhetoric and Prosody (25 marks) and the third paper will be as follows :—

> ARABIC :—Translation from Arabic into Urdu. ..40 marks.
> Translation from Urdu into Arabic ..40   ,,
> Grammar 20   ,,
>
> SANSKRIT :—Translation from Sanskrit into Urdu 35   ,,
> Translation from Urdu into Sanskrit..35   ,,
> Grammar 30   ,,

The arrangement of the first and second papers in Persian will be the same as of those in Arabic and Sanskrit. The third paper will be as follows :—

Translation from Urdu into Persian   ..   ..30 marks.
Composition 40   ,,

> Elementary Arabic :—
>
> Grammar   ..   ..   12⎫
> Translation from Arabic into Urdu.   18⎭ 30 marks

The first and second papers in Modern Languages will be the same as in Arabic and Sanskrit, but the first paper in Urdu will contain a question on precis-writing which would carry not less than 10 marks.

The distribution of marks in the 1st and 2nd papers in Telugu and Kanarese will be as follows :—

> Paper I   Prose   ..   ..   ..50 marks.
>   Drama 50   ,,
> Paper II   Poetry 50   ,,
>   History of Literature   ..25   ,,
>   Prosody and Rhetoric   ..25   ,,

The third paper in all the Modern Languages with the exception of Urdu will be on composition (75 marks) and precis writing (25 marks).

The third paper in Urdu will be on composition (70 marks) and Hindi Bhasha (30 marks). There will be two questions on Bhasha one being on translation from Urdu into Bhasha (18 marks) and the other on translation from Bhasha into Urdu (12 marks).

(b) *Science—*

> One of the following branches :—
> Physics, including a separate paper in Mathematics.
> Chemistry, including a separate paper in Physics.

Mathematics (Pure and Applied).

Natural Science (one of the following two as principal and the other as subsidiary) :—
  (1) Botany.
  (2) Zoology.

The papers in each of the above branches will be as follows :—

PHYSICS.   6 papers :—
  1st paper— Properties of Matter and Sound.
  2nd   ,,   Heat and Light.
  3rd   ,,   Electricity (Staticaland Dynamical) and Magnetism.
  4th   ,,   Subsidiary Mathematics.
  5th   ,,   ⎱ Practical.
  6th   ,,   ⎰

CHEMISTRY.   6 papers :—
  1st Paper—Organic.
  2nd   ,,   Inorganic.
  3rd   ,,   Physical.
  4th   ,,   Subsidiary Physics.
  5th   ,,   ⎱ Practical (four hours each).
  6th   ,,   ⎰

MATHEMATICS.   6 papers :—
  1st paper— Algebra, Theory of Equations and Trigonometry.
  2nd . ,,   Differential Calculus and Analytical Geometry.
  3rd   ,,   Integral Calculus and Differential Equations.
  4th paper Statics and first half of Dynamics (upto Projectiles,
                see Loney's Elementary Dynamics).
  5th   ,,   Hydrostatics and second half of Dynamics.
  6th   ,,   Astronomy.   ..

ZOOLOGY.   6 papers :—

		Marks
1. Invertebrates	.. ..	.. 100
2. Vertebrates	.. ..	.. 100
3. Cytology, Histology and Evolution		.. 100
4. Practical—Invertebrates and Identification of specimens.	..	.. 100
5. Practical—Vertebrates ; Preparation and Identification of slides.	..	.. 100
6. BOTANY.		
a. Theoretical	.. ..	.. 60
b. Practical	.. ..	.. 40

BOTANY.   6 papers :—
  1. Systematic Botany, General Morphology,
        Histology and Gymnosperms.   100 Marks.
  2. (a) Physiology.
       (b) Ecology, Evolution, Heredity, Lamarkism,
           Darwinism, Mendelism.   100 Marks.
  3. (a) Algæ and Mycology, Bryophyta.
       (b) General characters of Eusporangiate
           Leplosporangiate Ferns.   100 Marks.

4. Practical—Systematic Botany, General
      Morphology and Anatomy.   100 Marks.
5. Do   Vascular cryptogams. Mycology
      and Physiology.   100 Marks.
6. ZOOLOGY.
      (a) Theoretical.   ..   .. 60 Marks.
      (b) Practical   ..   ..   .. 40 Marks.

(c) HISTORY.
    Paper 1. General Historical Essay.
       ,,   2. Political Science (Theoretical and Comparative).
       ,,   3. Economics or Sociology (Theoretical and Applied).
       ,,   4. One of the following periods of Indian History :—

          (1) Early up to 712
          (2)   ,,   712 to 1206.
          (3) Medieval 1206 to 1526
          (4)   ,,   1526 to 1764
          (5) Modern 1764 upto the present day.
      For 1931 & 1932 the Medieval period 1526—1764 is prescribed.
    Paper 5. General, containing :—
          (1) History of the Deccan, covering the period of Indian
                History taken by the candidate.
          (2) Elements of the Cultural History of India with refer-
                ence to the period of Indian History taken by the
                candidate.
          (2) The Government of the British Empire with special
                reference to the working constitutions of England
                and India.
      N.B.—Questions on Sections (1) and (2) will be set by the Examiner in
    Indian History and those on Section (3) by the Examiner in Political Science.
    Paper 6. One of the following :—
      A. English Constitutional History, or
      B. One of the following special periods :—
      (1) Islamic History—
          (a) The Prophet and 1st four Califs.
          (b) The Omayyads.
          (c) The Abbasides.
          (d) The Spain 711 to 1492.
          (e) The Fatimide Khilafat.
          (f) The Seljuks.
      For 1931 the Abbasides period (excluding the Seljuks) is prescribed.
      (2) Ancient Europe—
          (a) Greece, up to 479 B. C.
          (b) Greece, the struggle for Supremacy, 479-360 B. C.
          (c) Greece, the Macedonian Empire under Phillip II and
                Alexander the Great, 360-327 B. C.
          (d) Greece, the end of Greek Freedom, 327-146 B. C.
          (e) Rome, up to the Gracchi, 133 B. C.
          (f) Rome, the Gracchi to Actium, 133-31 B. C.

(g) Rome, Augustus to Diocletian, 31 B. C.—287 A. D.

(h) Rome, Diocletian to the fall of Rome, 287-476 A. D.

For 1931 Rome, Augustus to Diocletian 31 B.C.—287 A. D., and for 1932 Greece, the Macedonian Empire under Phillip II. and Alexander the Great, 360-327 B. C. is prescribed.

(3). Medieval Europe—

(a) Fall of Rome to the fall of the Visigoths (476-711).

(b) Fall of the Visigoths to the Second Crusade (711-1192).

(c) The end of the Second Crusade to the fall of Constantinople, 1192-1453.

(4) Modern Europe—

(a) Fall of Constantinople to the death of Louis XIV, 1453-1715.

(b) Accession of Louis XV to the abdication of Napolean, 1715-1815.

(c) Europe, 1815 onwards.

For 1931 and 1932 Europe, 1815 onwards is prescribed.

N.B.—Candidates will be expected to answer questions on Historical Geography.

(d) *Philosophy :—*

(i) General Philosophy.

1st paper—Nature, Schools and Problems of Philosophy.

2nd ,, A brief sketch of the History of Philosophy together with a special study of an original work of any of the following Philosophers :—
Descartes, Berkley or David Hume

(ii) Oriental Philosophy.

3rd paper—Hindu Philosophy.

4th ,, Outlines of Islamic Philosophy, Kalam and Sufism.

(iii) Psychology.

5th paper—Elements of Psychology with allied Physiology

(iv) Ethics.

6th paper—A brief study of Theoretical and Practical Ethics.

III. *Theology or Morals* (one paper)

N.B.—(1) Examinations in Theology or Morals shall be regarded as qualifying Examinations and the marks gained by a candidate in the subject shall not be included in the grand total of the marks ; but no student can go up for a higher examination unless he has qualified in Theology or Morals in the lower examination. Students who have once passed in Theology or Morals at an examination will not be examined in these subjects if they appear again at that examination.

(2) All the papers detailed above will be of three hours' duration and will carry 100 marks.

11. No candidate from a college of the University will be permitted to present himself at the B. A. Examination in any Science subject for which a practical course is necessary under these

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rules unless he produces a certificate from the Principal of such college to the effect that he has completed the required course in the college laboratories. In the case of candidates offering Science under Regulation 4 evidence must be produced that the candidate has completed the required course in a laboratory approved of by the University.

12. No candidate shall be declared to have passed the examination unless he obtains 33 per cent. in each subject. In subjects in which a practical test is compulsory, the required percentage shall be 30 per cent. in the theoretical part of the examination and 36 per cent. in the practical test. From 1342 F.—1933 A. D. candidates shall be required to secure 33 per cent. in the theoretical as well as in the practical test.

13. Those of the successful candidates who obtain 60 per cent. or more of the aggregate marks will be placed in the First Class, those obtaining 45 per cent. or more but less than 60 per cent. in the Second Class, and the others in the Third Class.

The names of successful candidates placed in the First Class, shall be arranged in order of merit as determined by the total marks obtained by each candidate. The names of others placed in the Second and Third Classes shall be arranged in serial order of their roll numbers.

14. A certificate signed by the Chancellor shall be given to each successful candidate setting forth the date of the examination, the subjects in which he was examined and the class in which he was placed.

15. Any student who fails to pass the examination on account of his having failed to obtain 33 per cent. in English or in his selected subject, will be considered to have passed the whole examination on his passing at a subsequent examination merely in the subject in which he has failed, provided that the marks gained by him in such subject in the previous examination do not fall short of 20 per cent. (25 per cent. from 1342 F.—1933 A. D.) and provided in that examination he has secured an aggregate total of 40 per cent.

M. A. Examination.

1. An examination for the degree of Master of Arts shall be held annually in Hyderabad at such time and on such date as may be prescribed by the Syndicate on the recommendation of the Faculty of Arts.

2. The M. A. Examination shall be conducted by means of printed papers and *viva voce* when necessary. Papers will be set and answered in Urdu unless otherwise notified.

3. The examination shall be open only to Bachelors of Arts of the Osmania University or Bachelors of Arts or Bachelors of Science of a recognised University who have passed the B. A., or B. Sc. Examination not less than two academic years previously and have since then prosecuted a regular course of study for not less than two academic years in a constituent college of the Osmania University.

4. No candidate from a college of the University shall be considered to have completed a regular course of study for the examination unless he has attended 66 per cent. of the lectures during each academic year. The Syndicate shall have, however. the power to condone deficiencies in attendance to the extent of a few lectures on the recommendation of the Principal, provided that special reasons are adduced in support of such recommendations.

N.B.—Lady candidates shall be allowed to appear privately in the examination in Arabic, Persian and Urdu only.

5. A candidate for admission to the M. A. Examination must forward his application to the Registrar five weeks before the examination accompanied by a fee of Rs. 60. Every candidate shall produce a certificate in the form hereinafter prescribed to the effect that he has prosecuted a regular course of study for the examination.

6. The examination shall be held for the present in the following subjects :—

    1. Arabic.
    2. Persian.
    3. Urdu.
    4. History.
    5. Philosophy.
    6. Mathematics.

In Persian, Urdu, History and Philosophy there will be two Examinations—Previous and Final—and the candidates will be examined at the end of each year.

(1) ARABIC—(Eight papers.)

    1st Paper Poetry.
    2nd ,,   Prose, Historical.
    3rd ,,   Prose, Non-Historical.
    4th ,,   History of Language and Literature.
    5th ,,   Rhetoric and Prosody.
    6th ,,   Hebrew, French or German—Grammar and Translation into Urdu of easy Hebrew, French, or German passages.

7th	.,	Translation from Urdu into Arabic and Arabic Composition.		
8th	,,	Essay in Urdu on a subject connected with the History, Literature and Civilisation of the Arabs.		

(2) PERSIAN :—

PREVIOUS EXAMINATION :— Four papers .. 400 marks.

1st Paper—	Poetry (Classical)..	..	100	,,
2nd ,,	Prose	..	100	,,
3rd ,,	Set Composition in Persian on modern topics. ..	..	100	,,
4th .,	Translation into Urdu from books prescribed in Arabic and Persian, Rhetoric and Prosody.		100	,,

FINAL EXAMINATION :—(Two papers and a Thesis) . 400 ,,

1st Paper—	Literary history of Persia from the earliest times to the Mongols. ..	100	,,
2nd .,	Literary history of Persia from the Mongol Period to the present day.	100	,,
Thesis	.. .. ..	.. 200	,,

The Thesis will be of about 50 pages and will be written under the supervision and with the advice of the Professor concerned, on a subject approved by the Board of Studies in Persian. It will be valued by two or three experts. There will be a *viva voce* Examination. The candidate will have to satisfy the examiners that he has availed of original sources.

The Thesis may be submitted on any one of the following subjects :—

(1) Evolution of the Persian Language and Literature.
(2) Literary criticism of any particular period.
(3) Research in any particular branch of Literature.
(4) Lives of famous authors and reviews on their works.
(5) Critical edition of an important work with an introduction to it.

(6) Development of the Persian language in India.
(7) Treatment of any controversial problem relating to the history, Literature and civilization of Persia in the light of modern research.

(3) URDU :—

PREVIOUS EXAMINATION :—Four papers .. 400 marks.

1st Paper—	Old Urdu. ..	..	100	,,
2nd ,,	Poetry.	..	100	,,
3rd ,,	Prose.	..	100	,,
4th ,,	Essay.	..	100	,,

FINAL EXAMINATION—(Two papers and a Thesis) . 400 „
    1st Paper—History of the Urdu Language and
                 Literature.   ..   .. 100 „
    2nd ,,   Hindi Bhasha.   ..   .. 100 „
    Writing a Thesis or editing a book .   .. 200 „

The Thesis will be written with the advice and under the supervision of the Professor concerned on a subject recommended by the Professor and approved by the Board of Studies in Urdu.

Only those candidates will be admitted to the M. A. Examinations in Urdu or Persian who have graduated with Urdu and Persian.

(4) HISTORY.

PREVIOUS EXAMINATION :—Four papers—   ..400 marks.
    1st Paper—Comparative Politics, including :—   100 marks.

        (a) A general survey of important Eastern and Western political institutions.

        (b) Detailed study of the constitution of a State or a system of administration to be prescribed in advance.

    2nd Paper—Political theories, including :—   .. 100 marks.

       .(a) A general survey of Eastern and Western political thought.

        (b) Detailed study of the political theory of a thinker or set of thinkers to be prescribed in advance.

    3rd and 4th Papers—Intensive study of two of the following, 100 marks each :—

        (a) A period of Indian History with reference to the History of the Deccan from Alauddin Khilji to Feroz Shah Tughlaq.

        (b) A period of Islamic History.
           For 1930 to 1932 (1339 to 1341 F.) the reigns of Harun-ur-Rashid and Mamun-ur-Rashid.

        (c) A period of Modern European History (1799-1875).

        (d) A period of English Constitutional History (1642-1702).

FINAL EXAMINATION :—
    1st Paper—General Historical Essay ..   .. 100 marks.
    2nd Paper.

        (a) A special topic of Comparative Politics. ...⎫
            (The working constitution of India and of ⎪
            British Self-governing Dominions.)   ⎬50 „
        (b) A special topic of Political Theories.   ⎪
            (The Political Theories of Ibn-i-Khaldun.) ⎭

Thesis—Containing at least 10,000 words written on a subject taken by the candidate for his M. A. 200 marks

Viva Voce—(*a*)   General, to test the general efficiency of the candidate in the papers offered by him for Previous and Final Examinations.

       (*b*)   Language, to test whether the candidate has used the authorities for his thesis in their original form.

N. B.—(1) No candidate will be deemed to have passed he M. A., (History) Examination unless he obtains not less than 30 per cent. of the marks in 2nd Paper of the Final Examination.

    (2) Only those   candidates who have passed the B. A. Examination in History or who have taken the M. A. degree in any other subject and who have prosecuted a regular course of study for not less than one academic year at one of the constituent colleges of the University will be allowed to sit for the Previous Examination. In the same way only those candidates will be allowed to sit for the Final Examination who have already passed the Previous Examination and have since prosecuted a regular course of study for not less than one academic year at one of the constituent colleges of the University.

    (3) The subject for the   thesis and the choice of the language offered must be sanctioned by the Board of Studies in History at least one calendar year before the examination. No candidate will be allowed to offer his own mother-tongue for his *Viva Voce.*

    (4) The special topics and   periods will be announced at least one calendar year before the examination but not more than one special topic or period will be so prescribed for each year.

    (5) Every candidate shall   submit two copies of his thesis at least one Fasli month before the first day of the examination. The Registrar will on the declaration of the result deposit one of these copies in the University archives, while the other copy will be sent to the Osmania University College Library for safe custody and use.

    (6) The thesis   submitted by the candidates in History at the M. A. Examination will be compiled with the advice and under the guidance of the Professor concerned.

    (7) In submitting their theses and while answering their papers candidates should always bear in mind that according to Islamic etiquette due reverence should be shown towards Islam eminent Islamic personages and Islamic teachings.

(4) PHILOSOPHY :—

The course shall be spread over a period of two years and the candidates shall be examined at the end of each year.

There shall be six papers in M. A. (Previous) as detailed below :—

  A. Compulsory :—

    1. One paper of Oriental philosophy either Indian or Islamic.

    2. One Special philosopher from among the Western thinkers.

    3 Metaphysics with special references to contemporary thought.

    4. Essay.

  B. Optional: —

    Any two of the following :—

    1. Logic and Epistemology

    2. Aesthetics.

    3. Philosophy of Religion.

    4. Ethics and Political Philosophy.

    5. Psychology.

  For M. A. (Final) there shall be—

    1. A thesis of not less than 10,000 words on any subject of Philosophy previously approved of by the Board of Studies.

    2. Two papers on subjects allied to the Subject of the Thesis.

    3. *Viva Voce.*

(5) MATHEMATICS—(Nine papers).

  1st Paper—Algebra, Theory of Equations.
           Plane Trigonometry.
           Differential Equations.

  2nd ,,   Pure Geometry.
           Analytical Geometry (Pure and Solid).
           Differential Geometry of Curves and Surface.

  3rd ,,   Calculus (Differential and Integral).
           Theory of Functions of a real variable.

  4th ,,   Theory of Functions of a complex Variable.
           Elliptic Functions excluding.—Functions.
           Fourier Series.

  5th ,,   Attractions.
           Electricity and Magnetism.

6th	,,	Analytical Statics of two and three dimensions.
		Dynamics of a particle.
		Rigid dynamics in two dimensions only.
7th		Hydrostatics including Capillarity.
		Hydrostatics excluding Vortex Motion and Sound.
8th	,,	Spherical Trigonometry.
		Spherical Astronomy, Optics.
9th	,,	Problem and Essay paper consisting of two sections. In the first section at least two problems to be solved and in the other section not more than two essays to be written.

7. In order to pass the Examination, a candidate must obtain 40 per cent. of the marks in the aggregate. No minimum pass marks shall be required in each paper, but if in any paper a candidate obtains less than one-fifth of the marks allotted, those marks shall not be included in his aggregate. Successful candidates obtaining not less than 65 per cent. of the total marks shall be placed in the First Class, those obtaining less than 65 per cent. but not less than 50 per cent. in the Second Class and the rest in the Third Class.

The results of the Previous Examinations will only be declared and will not be classified. The marks obtained by the candidates at the Previous Examination will be added to the marks gained by them at the Final Examinations, and the rank secured by them will be determined accordingly.

8. A candidate who fails to pass or to present himself for the examination for whatever reason shall not be entitled to claim a refund of the fee, but he may be admitted without further attendance at lectures to any subsequent examination on the payment of a like fee.

9. Each successful candidate at the Final Examination shall receive a certificate signed by the Chancellor setting forth the subject in which he was examined, and the class in which he was placed.

FACULTY OF THEOLOGY.

Matriculation Examinatiom.

1. The Matriculation Examination shall be held once a year at Hyderabad, Aurangabad, Gulburga, Warangal and Bhopal, at such time and on such dates as the Syndicate may prescribe.

2. The examination shall be open to :—

   (i) All those who have satisfactorily prosecuted a regular course of study for this examination at one or more High Schools recognised by the Osmania University. Such candidates shall be named *pupil candidates.*

   (ii) All those who have studied privately either in the Dominions or outside for this examination provided that they shall not have attended any high school recognised by the University for not less than six months prior to the date of the examination.

   (iii) All those who have passed the Maulvi Examination of His Exalted Highness the Nizam's Dominions or of the Punjab University up to the year 1906. Such students will have to appear in English only on passing in which subject they will be considered to have passed in the whole of the examination.

3. No candidate shall be admitted to the Matriculation Examination unless he shall have completed the age of fifteen years by the first day of Shahrewar (July) of the year in which he applies for admission to the examination.

4. Applications for admission to the examination in the form prescribed must reach the Registrar not less than two months before the commencement of the examination, accompanied by a fee of Rs. 10 in the case of pupil candidates, Rs. 15 in the case of candidates referred to in Rule 2 (ii), and Rs. 5 in the case of candidates referred to in Rule 2 (iii).

5. Pupil candidates must submit the following certificates from the Headmaster of the school where they last studied together with their application for admission :—

   (1) Certificate of attendance stating that the student has attended school in the Matriculation class for not less than 60 per cent. of the working days during the school year immediately preceding the examination.

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(2) Certificate of good character and good conduct at school.

(3) Certificate of age in accordance with rule 3.

(4) Certificate of progress in the subjects of study.

In cases recommended by the Headmaster, the Syndicate may for sufficient reasons condone deficiency in attendance not exceeding 31 days. When a student has studied in two or more schools during the school year immediately preceding the examination, his combined attendances in all schools attended by him during the period will be taken into account in determining his attendance.

6. Candidates referred to in Rule 2 (ii) must submit the following certificates from the Headmaster of a Government High School recognised by this University.

(1) Certificate stating that the student has passed a Test Examination held in the School to test the fitness of candidates appearing from that school for the Matriculation Examination.

(2) Certificate of good character.

(3) Certificate of age in accordance with Rule 3.

7. Candidates referred to in Rule 2 (iii), must, in addition to the original certificates showing the examination passed on the basis of which application is being made, submit the following certificates from the Headmaster of a Government High School recognised by this University.

(1) Certificate stating that the candidate has passed a Test Examination in English, held in the school to test the fitness of candidates appearing from that school for the Matriculation Examination.

(2) Certificate of good character.

(3) Certificate of age in accordance with Rule 3.

N.B.—Teachers from recognized schools of the University will be exempted from passing a test examination provided they produce a certificate from the Divisional Inspector of Schools stating that the candidate is eligible for admission to the matriculation class and that he is expected to get through.

8. Candidates who have once been duly permitted to appear at this examination are entitled to appear at any subsequent Matriculation Examination as private candidates under Rule 2 (ii) and (iii) on production only of Certificates (1) and (2) mentioned above.

9. On receipt of the application and the fee prescribed and of the necessary certificates, the Registrar shall at least a fortnight before the examination, cause to be furnished to the candidate a receipt for the fee received which will also serve as a

ticket of admission to the examination hall to be produced by the candidate when called for.

10. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the fee.

11. The Matriculation Examination shall be conducted by means of printed papers. With the exception of English the papers in all other subjects will be set and answered in Urdu.

12. The subjects for the examination and the arrangement of the papers to be set in the different subjects shall be as follows :—

(1) ENGLISH.

There shall be two papers in English each of three hours' duration. The first paper (100 marks) will be on the Detailed Texts, Grammar and Idiom. The second paper (100 marks) will be on Composition and Translation from Urdu into English (70 marks) and Non-detailed Texts (30 marks).

(2) HISTORY AND GEOGRAPHY.

There shall be two papers of two hours' duration each in this subject :.—

1st Paper : History of India (50 marks).

2nd Paper : General Geography of the world with special reference to India (50 marks).

(3) MATHEMATICS—(Elementary).

1st Paper of three hours' duration will be on Arithmetic (60 marks) and Algebra (40 marks).

2nd Paper of $2\frac{1}{2}$ hours' duration will be on Geometry (35 marks) and Mensuration (25 marks).

(4) ARABIC.

There will be two papers in this subject (of two hours' each) ; the first paper (60 marks) will be on the prescribed text-books and the second paper (40 marks) will be on Grammar and Translation.

(5) AQAID WA MANTIQ.

There shall be one paper (100 marks) of three hours' duration in this subject.

(6) FIQAH WA HADIS.

There will be one paper (100 marks) of three hours' duration in this subject.

N.B.—Students are required to undergo training in Science in the Matriculation Class for three hours a week. Girl candidates will have to undergo training in Domestic Science for three hours a week. There will, however, be no University Examination in these subjects. Syllabuses are given in Appendix I.

13. No candidate shall be declared to have passed the examination unlesss he obtains 30 per cent. of the full marks in each subject. Should a candidate, however, not obtain 30 per cent. of the full marks in *one subject only* he shall, notwithstanding, be declared to have passed the examination, provided he secures 25 per cent. in that subject and makes an aggregate of 40 per cent.

14. Successful candidates who obtain 60 per cent. of the aggregate marks shall be placed in the Honours Division, those obtaining 50 per cent. in the First Division and those obtaining 40 per cent. in the Second Division. All other candidates shall be placed in the Third Division.

Successful candidates of Honours Division and First Division shall be arranged in order of proficiency as determined by the total number of marks obtained. The Second and Third Class shall be arranged in the serial order of their roll numbers.

15. A certificate signed by the Registrar shall be given to each successful candidate setting forth the date of the examination, the subjects in which he was examined and the division in which he was placed.

16. For the purposes of the Compartment System, the examination is divided into the following groups :—

(1) English.

(2) History and Geography and Mathematics.

(3) Arabic, Aqaid wa Mantiq and Fiqah wa Hadis.

A candidate passing in a group shall be exempted from reappearing in that group at a subsequent examination, provided that he has appeared in all the subjects of the examination and that he has secured not less than 35 per cent. of the marks in the aggregate. For passing in a group it shall be necessary that the candidate obtains 30 per cent. of the marks in the subject of the group or in each of the subjects composing the group when the group consists of more than one subject.

17. The Registrar shall maintain and publish for general information, a list of High Schools recognised by the University.

Intermediate Examination.

1. The Intermediate examination (Faculty of Theology) shall be held once a year in Hyderabad, at such time and on such dates as the Syudicate may prescribe.

2. The examination shall be open to—

(i) All Matriculated students of the Osmania Unversity (Faculty of Theology) who have since Matriculation prosecuted for not less than two academic years a prescribed course of study at a college of the Osmania University.

.   (ii) All those students who have matriculated at the Osmania University (Faculty of Arts) or at any of the recognised Indian Universities or obtained the High School Leaving Certificate of His Exalted Highness' Government or passed any other such examination as the University may from time to time consider equivalent, and who have been admitted as under-graduates of the University (Faculty of Theology) and have since Matriculation prosecuted for not less than two academic years a prescribed course of study at a College of the Osmania University. Provided that all such students shall have passed in Arabic in the Matriculation Examination or in its equivalent examination.

N.B.—Students who have obtained a High School Leaving Certificate of His Exalted Highness' Government can be admitted to a college of the Osmania University only at the discretion of the Principal.

3. Persons coming under the following descriptions, though not belonging to a college of the University, will be allowed to appear privately for this examination :—

(*a*) Inspecting Officers of the State Educational Department, and whole-time teachers employed in educational institutions recognised by the University or by the Educational Department, provided they are certified by the Divisional Inspectors of Schools to have rendered continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.

(*b*) Whole-time librarians serving in the library of any constituent college or the Asafia Library, or any other library approved by the Syndicate for this purpose, provided that they produce a certificate from the Librarian of the library in which they are employed, of continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.

.(*c*) Women candidates.

Provided also that in all the above cases, by the date of the examination, not less than two academic years shall have elapsed since the date of their passing the Matriculation Examination or its equivalent. *

N.B.—Students who have passed the Intermediate Examination (Faculty of Arts) of the Osmania University or that of a recognised University shall be allowed to appear privately at the Intermediate Examination of the Faculty of Theology only in the subjects in which they have not already passed, for the purpose of their joining the B.A. Class of the Faculty of Theology of the Osmania University. But such students shall not be entitled to any certificate of having passed the examination.

4. Candidates from a college of the University, who have been allowed to appear at the examination once but have not been able to appear or have failed to pass, may be admitted as private candidates to a subsequent examination.

5. Applications of private candidates for admission to this examination, in the form prescribed must reach the Registrar not less than two months before the examination, accompanied by a fee of Rs. 20.

6. In the case of college candidates, applications for admission and certificates of attendance in the prescribed form together with a fee of Rs. 20 for each candidate shall be forwarded by the Principal so as to reach the Registrar four weeks before the examination.

In special cases the Principal may hold back the certificates of attendance. Such certificates must, however, reach the Registrar in no case later than three weeks before the examination.

The attendance required shall not be less than 66 per cent. of the full course of lectures delivered in each of the subjects in which the candidate desires to be examined. The Syndicate may, on the recommendation of the Principal of a college of the University, condone for sufficient reasons deficiency in attendance.

7. Upon the receipt of the application and the fees prescribed and also the attendance and progress certificates in case of candidates from colleges, the Registrar shall at least a week before the examination, cause to be furnished to the candidate a receipt for each fee received, which will also serve as a ticket of admission to the examination hall, to be produced by the candidate in the hall, if called for.

N.B.—A candidate who fails to pass or to present himself for the examination shall not be entitled to claim a refund of the admission fee.

8. The Intermediate Examination shall be conducted by means of printed papers. With the exception of the English language, papers in all other subjects will be set and answered in Urdu.

9. The subjects for examination and the arrangement of the papers to be set in the different subjects shall be as follows :—

(1) ENGLISH.   •

In English there will be three papers, each of three hours' duration, one on Detailed Prose texts (100 marks), one on Poetry (65 marks) and Non-detailed Prose texts (35 marks) and a third paper (100 marks) on Composition, Unseens and Translation.

. (2) ARABIC.

There shall be two papers each of 3 hours' duration in this subject. The first paper (100 marks) shall be on the prescribed text-books. The second paper (100 marks) will be on Grammar and consist of pieces of Urdu Prose for translation into Arabic.

(3) FIQAH AND USUL-I-FIQAH.

There shall be two papers each of three hours' duration in this subject :—

Paper I.—Usul-i-Fiqah including Elements of Logic
100 marks.

Paper II.—Fiqah. 　　　　　　 ,,　　 ,,

(4) TAFSIR, AND HADIS.

There shall be two papers each of three hours' duration in this subject :—

Paper I.—Tafsir. 　　　　　 100 marks.

Paper II.—Hadis and Usul-i-Hadis 　 100 ,,

(5) AQAID, INCLUDING MABADIYAT-I-HIKMAT.

There shall be one paper (100 marks) of three hours' duration in this subject.

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10. No candidate shall be declared to have passed the examination unless he obtains 30 per cent. of the full marks in each subject, and 33 per cent. in the aggregate. Should a candidate however, not obtain 30 per cent. of the full marks in *one subject only*, he shall be declared to have passed the examination, provided he secures not less than 25 per cent. in that subject and makes an aggregate of 40 per cent.

From 1342 F. 1933 A. D. only those candidates will be declared to have passed the examination who obtain 33 per cent. of the full marks in each subject. Should a candidate, however, not obtain 33 per cent. of the full marks in one subject only he shall be declared to have passed the examination, provided he secures not less than 30 per cent. in that subject and makes an aggregate of 40 per cent.

11. Those of the successful candidates who obtain 60 per cent. or more of the aggregate marks will be placed in the First Class, those obtaining 45 per cent. or more but less than 60 per cent. in the Second Class, and the others in the Third Class.

The names of successful candidates placed in the First Class shall be arranged in order of merit as determined by the total marks obtained by each candidate. The names of others placed in the Second and Third Classes shall be arranged in the serial order of their roll numbers.

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12. A certificate signed by the Registrar shall be given to each successful candidate setting forth the date of the examination, the subjects in which he was examined and the class in which he was placed.

13. For the purposes of the Compartment System, the examination is divided into the following three groups :—

(1) English.

(2) Arabic.

(3) Theology subjects (Fiqha, Tafsir, and Aqaid).

A candidate who fails in any one of these groups and passes in the other two, shall be allowed to appear at a subsequent examination only in the group in which he failed, provided that the marks obtained by him in that group in the previous examination do not fall short of 25 per cent. For passing in group (3) under this system he shall obtain 30 per cent. (33 per cent. from 1342 F. 1933 A. D.) in each of the subjects of that group. Such candidates shall however, if they so desire, be allowed to appear for the whole of a subsequent examination, but if they fail in that examination they will not be deprived of the concession gained at the first examination.

No candidate shall be classed unless he has passed in the whole examination at one attempt.

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B. A. Examination.

1. The examination for the degree of Bachelor of Arts (Faculty of Theology) shall be held once a year in Hyderabad, at such time and on such date as the Syndicate may prescribe.

2. The examination shall be open to :—

1. All those students who have passed the Intermediate Examination of the Osmania University in the Faculty of Theology.

2. All those students who besides passing the Intermediate Examination of a recognised University have also passed the *Alim* Examination or its equivalent of a recognised University.

3. All those students who after passing the Intermediate Examination of a recognised University with Arabic as one of the optional subjects have passed the Intermediate Examination (Faculty of Theology) of the University in the Theology subjects. They will be required to appear in Arabic also in case they did not take that subject in their previous examination.

• Provided that all these students have satisfactorily completed a regular course of study in a college of the University for not less than two academic years after passing the aforesaid examinations.

3. Persons coming under the following descriptions, though not belonging to a college of the University, will be allowed to appear privately for this examination :—

> (*a*) Inspecting Officers of the State Educational Department, and whole-time teachers employed in educational institutions recognised by the University or by the Educational Department, provided they are certified by the Divisional Inspectors of Schools to have rendered continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.

> (*b*) Whole-time librarians serving in the library of any constituent college or the Asafia Library, or any other library approved by the Syndicate for this purpose, provided that they produce a certificate from the Librarian of the library in which they are employed of continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.

> (*c*) Women candidates.

Provided also that in all the above cases, by the date of the examination, not less than two academic years shall have elapsed since the date of their passing the Intermediate Examination.

4. Candidates from a college of the University who have been allowed to appear at the examination once but have not been able to appear or have failed to pass may be admitted as private candidates to a subsequent examination, provided they do not change the subjects they had studied at college. In the case of any change they shall be required to put in fresh attendance in the college in the subject they have changed.

5. Applications of private candidates for admission to this examination, in the form prescribed must reach the Registrar not less than two months before the examination, accompanied by a fee of Rs. 30.

6. In the case of college candidates, applications for admission and certificates of attendance and progress in the prescribed form together with a fee of Rs. 30 for each candidate shall be forwarded by the Principal so as to reach the Registrar four weeks before the examination.

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In special cases the Principal may hold back the certificates of attendance. Such certificates must, however, reach the Registrar in no case later than three weeks before the examination.

The attendance required shall not be less than 66 per cent. of the full course of lectures delivered in each of the subjects in which the candidates desire to be examined. The Syndicate may, on the recommendation of the Principal of a College of the university, condone for sufficient reasons deficiency in atttendance.

7. Upon the receipt of the applications and the fees prescribed, and also the attendance certificates in case of candidates from colleges, the Registrar shall at least a week before the examination, cause to be furnished to the candidate a receipt for each fee received, which will also serve as a ticket of admission to the examination hall, to be produced by the candidate in the hall, if called for.

N.B.—A candidate who fails to pass or to present himself for the exmination shall not be entitled to claim a refund of the admission fee.

8. The B. A. Examination shall be conducted by means of printed papers. With the exception of English, papers in all other subjects will be set and answered in Urdu.

9. The subjects for examination are as follows :—

(1) ENGLISH—

4 papers as follows :—

(i) Detailed Prose Texts (100 marks)

(ii) Detailed Poetry Texts (100 marks)

(iii) Essay 75 marks and Unseens (25 marks)

(iv) Non-Detailed Texts (60 marks) and Outlines of English Literature (40 marks).

(2) ARABIC—

There will be three papers in this subject :—

The first paper will be on Prose (75 marks) and History of Literature (25 marks); the second paper will be on Poetry (75 marks) and Rhetoric and Prosody (25 marks) and the third paper will be as follows :—

Translation from Arabic into Urdu ..   40 marks
Translation from Urdu into Arabic   40 ,,
Grammar   20 ,,

(3) FIQAH AND USUL-I-FIQAH.

There shall be two papers of three hours' duration each in this subject :—

1st paper—Fiqah (including Fatwa Navisi) 100 marks.

2nd paper—Usul-i-Fiqah.   100 ,,

(4) Any one of the following subjects :—
    (a) Tafsir—two papers (100 marks each.)
    (b) Hadis.—two papers (100 marks each.)
    (c) Kalam.—two papers (100 marks each.)

10. No candidate shall be declared to have passed the examination unless he obtains 33 per cent. in each subject.

11. Those of the successful candidates who obtain 60 per cent. or more of the aggregate marks will be placed in the First Class, those obtaining 45 per cent. or more but less than 60 per cent. in the Second Class, and the others in Third Class.

The names of successful candidates placed in the First Class shall be arranged in order of merit as determined by the total marks obtained by each candidate. The names of others placed in the Second and Third Classes shall be arranged in serial order of their roll numbers.

12. A certificate signed by the Chancellor shall be given to each successful candidate setting forth the date of the examination, the subjects in which he was examined and the class in which he was placed.

13. Any student who fails to pass the examination on account of his having failed to obtain 33 per cent. in—
    (1) English
    (2) Arabic
    (3) Fiqah and the optional subject
will be considered to have passed the whole examination on his passing at a subsequent examination merely in the subject in which he has failed, provided that the marks obtained by him in such subject in the previous examination do not fall short of 20 per cent. (25 per cent. from 1342 F. 1933 A. D.) and provided in that examination he has secured an aggregate total of 40 per cent.

M. A. Examination.

1. An examination for the degree of Master of Arts (Faculty of Theology) shall be held annually in Hyderabad at such time and on such date as may be prescribed by the Syndicate on the recommendation of the Faculty of Theology.

2. The M. A. Examination shall be conducted by means of printed papers and *viva voce* when necessary. Papers will be set and answered in Urdu.

3. The examination shall be open only to Bachelors of Arts (Faculty of Theology) of the Osmania University, who have passed the B. A. Examination not less than two academic years previously and have since then prosecuted a regular course of study for not less than two academic years in a constituent college of the Osmania University.

4. No candidate from a college of the University' shall be considered to have completed a regular course of study for the examination unless he has attended 66 per cent. of the lectures during each academic year. The Syndicate shall have, however, the power to condone deficiences in attendance to the extent of a few lectures on the recommendation of the Principal, provided that special reasons are adduced in support of such recommendations.

5. A candidate for admission to the M. A. Examination must forward his application to the Registrar five weeks before the examination accompanied by a fee of Rs. 60. Every candidate shall produce a certificate in the form hereinafter prescribed to the effect that he has prosecuted a regular course of study for the examination.

6. The examination shall be held in the following subjects :—

    (i) Fiqah wa Usul-i-Fiqah.

    (ii) Kalam wa Aqaid.

    (iii) Tafsir.

    (iv) Hadis, including Sirat.

For the present, the examination will be held in **Kalam wa Aqaid** and **Fiqah wa Usul-i-Fiqah**. In Kalam there shall be eight papers of three hours' duration each :—

پرچم اول مبادی وا مورعام از شرح مقاصد	۱۰۰	نشانات
پرچم دوم اعراض وجوانر	۱۰۰	,,
پرچم سوم سمعیات	۱۰۰	,,
پرچم چہارم الہیات شرح مقاصد	۱۰۰	,,
پرچم پنجم محصل معم نقد	۱۰۰	,,
پرچم ششم دین ودانش	۱۰۰	,,
پرچم ہفتم تاریخ علم کلام و تفرقم بین الا سلام والزنّاد قم ۱۰۰		,,
پرچم ہشتم علم کلام پر ایک مضمون اردو میں	۱۰۰	,,

The following 8 papers of 3 hours duration each will be in Fiqah.—

(۱) پرچہ اول اصول فقہ مسلم اثبوت حصہ مبادی	۱۰۰	,,
(۲) پرچہ دوم ,, ,, ,, حصہ مقاصد ۱۰۰:		,,
(۳) پرچہ اول ارکان اربعہ(از کتاب صنائع ۱۰۰		,,
وبدائع) وآثار السنن		
(۴) پرچہ دوم ,, بدایتہ المجتہد جلد اول ۱۰۰		,,
وبہ استثناء ارکان اربعہ		

(۵) پرچم سوم ,, بد ا يتم ا لمجتهد جلد د و م ۱۰۰ ,, .

(۴) پرچم چهارم ,, مجلة الاحکام ۱۰۰ ,,

(۷) پرچم پنجم ,, فتوی نویسی و میصلمزگا ری ۱۰۰ .,

(۸) پرچم ششم ,, مضمون متعلق تا ریح و ءا م ۱۰۰ ,
معلو ما ت علم فقہ و ا صول ا

7. In order to pass the examination, a candidate must obtain 40 per cent. of the marks in the aggregate. No minimum pass marks shall be required in each paper, but if in any paper a candidate obtains less than one-fifth of the marks allotted, those marks shall not be included in his aggregate. Successful candidates obtaining not less than 65 per cent. of the total marks shall be placed in the First Class, those obtaining less than 65 per cent. but not less than 50 per cent. in the Second Class, and the rest in the Third Class.

8. A candidate who fails to pass or to present himself for the examination for whatever reason shall not be entitled to claim a refund of the fee, but he may be admitted, without further attendance at lectures, to any subsequent examination on the payment of a like fee.

9. Each successful candidate shall receive a certificate signed by the Chancellor, setting forth the subject in which he was examined, and the class in which he was placed.

FACULTY OF LAW.

LL. B. Examination.

1. There shall be two examinations for the LL. B. Degree, the Previous and the Final. Each examination shall be held once a year in Hyderabad at such time and on such dates as the Syndicate may prescribe on the recommendation of the Faculty of Law.

2. The examinations will be conducted by means of printed papers, and Urdu shall be the medium of examination in all subjects.

3. The LL. B. (Previous) Examination shall be open only to those students who have completed a regular course of study in the University School of Law for not less than one academic year after passing the B. A. Examination of the Osmania University or the B. A. or B.Sc. Examination of any University in the British Empire, incorporated by Law, provided that such examination is recognised by that University as qualifying for admission to its LL. B. Examination or any examination equivalent thereto.

4. No candidate shall be considered to have completed a regular course of study for any of these examinations unless he has attended 66 per cent. of the lectures during the academic year.

5. A candidate for admission to the Previous Examination must forward his application to the Registrar five weeks before the examination, accompanied by a fee of Rs. 30. He shall produce a certificate in the form hereinafter prescribed to the effect that he has prosecuted a regular course of study in the University School of Law for not less than an academic year after having passed the B. A. or B. Sc. Examination. He must also forward with his application satisfactory evidence of having taken a degree as laid down in Rule 3.

6. Every candidate shall present himself for the Previous Examination in the following subjects :—

1. Criminal Law and Procedure.
2. Evidence.
3. Torts and Easements.
4. Contracts.
5. Roman Law and Constitutional Law.

N.B.—There shall be one paper in each subject

7. No candidate shall be admitted to the Final Examination of the degree of Bachelor of Laws unless he has passed the Previous Examination in Law of the Osmania University, and has since passing the examination prosecuted a regular course of study for not less than one academic year in the University School of Law. Attendance certificates in the prescribed form shall be attached to the application.

8. A candidate for admission to the Final LL.B. Examination must forward his application to the Registrar five weeks before the examination accompanied by a fee of Rs. 30. He should also forward along with his application a certificate of having passed the Previous Examination in Law of the Osmania University.

9 The following shall be the subjects for the Final LL. B. Examination :—

1. Hindu Law.

2. Muhammadan Law, including Usul-i-Fiqah.

3. Civil Procedure Code, Law relating to Civil Courts in His Exalted Highness the Nizam's Dominions, Limitations (excluding Schedules).

4. Specific Relief, Trusts, Land Tenure, (including Atiyat) and Transfer of Property.

5. Jurisprudence and Public International Law.

N.B.—There shall be one paper in each subject.

10. The Faculty of Law shall prescribe from year to year books to be studied for these subjects.

11. The Faculty shall prescribe the total number of lectures to be delivered during the academic years which shall not be less than 300.

12. Before the beginning of each term, the Principal shall submit for the approval of the Faculty a statement of the course of lectures and class examinations during each term.

13. The papers in any of the examiantions may contain questions in Jurisprudence arising out of the subject matter of such examination.

To pass the examination the candidates must obtain 40 per cent. of the full marks in each paper. Those of the successful candidates who obtain 60 per cent. of the total marks will be placed in the First Division and those who obtain 45 per cent. in the Second Division.

15. As soon as practicable after the conclusion of the examination the results will be arranged in the order of merit.

16. A candidate failing to pass may be admitted to one or more subsequent examination on his making a fresh application and on payment of a fresh fee.

17. Certificates signed by the Chancellor and the Registrar respectively, shall be given to candidates successful in the Final and the Previous Examinations, setting forth the date of the examination, and the class in which he was placed.

FACULTY OF SCIENCE.

M. Sc. Examination.

Chemistry.

Previous Examinations.—Lectures on Advanced Inorganic, Organic, and Physical Chemistry, and advanced practical work. In lectures special attention will be paid to the applied side of the subject and its history. The practical work include Complex Inorganic Analysis (both qualitative and quantitative), preparation and identification of Organic Compounds, a few exercises in Commercial Organic and Inorganic Analysis and Physico-Chemical measurement.

An examination shall be held at the end of the 1st year which shall consist of the following papers :—

	Marks
Paper I.— General and Inorganic Chemistry ..	100
Paper II.— Organic Chemistry ..	100
Paper III.— Physical Chemistry ..	100
Paper IV.— Practical including Mineral Analysis	100
Paper V.— Organic Analysis and Organic Preparations ..	100
Paper VI.— Physico-Chemical Measurements ..	100
Total ..	600

Final Examination.—In the second or final year, the student shall choose either Organic Chemistry or Inorganic, or Physical Chemistry as his special subject and attend advanced lectures on that subject. The rest of his time will be occupied in conducting some Research Work and reading about the subject of their research with the help of a Professor. At the end of the year, he shall be required to submit the results of his Research in the form of a Thesis.

In addition to an Oral Examination on the subject of his Thesis, he shall appear in a written examination consisting of two

20

papers only, in Organic or Inorganic Chemistry according to his choice. The marks of each will be as follows :—

			Marks
Thesis including Oral	..	..	.. 200
Paper I. ..	..	..	.. 100
Paper II. ..	..	..	.. 100
		Total ..	400

Physics.

Previous Examination :—

		Marks.
Paper 1.—General Physics and Sound ..	..	100
Paper 2.—Optics (Geometrical and Physical)	..	100
Paper 3.—Heat including Thermodynamics	..	100
Paper 4.—Practical Examination in Heat, Sound, and Properties of Matter	..	100
Paper 5.—Practical Examination in Light	..	100

Final Examination :—

Paper 1.—Electricty and Magnetism ..	..	100
Paper 2.—A special subject like the Electron Theory or the Quantum Theory, etc.	..	100
Paper 3.—Practical Examination in Electricity and Magentism ..	..	100
Paper 4.—A Thesis on some original work	..	200

The Theoretical papers will be of 3 and the Practical of 4 hours' duration. The Thesis submitted by candidates on a subject of research conducted by them with the previous approval of the University will carry 200 marks.

The pass percentages in the M.Sc. Examinations in Physics and Chemicstry shall be the same as in the M.A., but that candidates should pass separately in the Theoretical and Practical portions of the Examinations and that in case a candidate gets less than 25 per cent. in a paper he would be deemed to have failed.

The general rules regarding the M.Sc. Examinations will be the same as for the M. A. Examination.

FACULTY OF MEDICINE.

Degree of Bachelor of Medicine and Surgery.

1. Candidates for the degree of Bachelor of Medicine and Surgery shall be required—

   (*i*) to have passed the Intermediate Examination in Arts and Science of the University taking Physics, Chemistry (Organic and Inorganic, Botany and Zoology) or an examination considered by the University as equivalent thereto.

   (*ii*) to have been subsequently engaged in their professional studies in the College of Medicine of the University for a period of not less than five years.

2. Candidates shall be required to pass four professional examinations as hereinafter stated, each held twice a year in Hyderabad in the months of Khurdad (April) and Shahrewar (July) on such dates as the Syndicate may prescribe.

3. Application for admission to each of the professional examination must reach the Registrar not less than four weeks before the commencement of the examination accompanied by the prescribed fee and the certificates required under the rules.

The fee prescribed shall be Rs. 15 for each of the first three professional examinations and Rs. 30 in the case of the fourth professional examination.

4. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the fee, but he may be admitted to any subsequent examination on his making a fresh application and on payment of a fresh fee.

5. The examination in each subject shall be written (of three hours' duration) practical and oral.   Urdu shall be the medium of examination.

6. In order to pass a professional examination, a candidate must obtain not less than 50 per cent. of the marks in the written and not less than 50 per cent. of the marks in the practical and oral in each subject and 50 per cent. of the marks in the aggregate. Successful candidates obtaining not less than two-thirds of the aggregate number of marks shall be placed in the first class and the rest in the second.   Their names shall be arranged in the order of proficiency as determined by the total marks obtained by each.

Each of the first three professional examinations shall consist of two subjects and candidates shall be required to pass in both at the same time whereas the fourth or Final Professional Examination shall consist of two groups of two subjects each, and candidats shall be required to pass at least in both subjects of one group at the same time.

7. Candidates passing the first three professional examinations shall receive certificates signed by the Registrar and those passing the final examination shall receive a Diploma signed by the Chancellor.

First Professional Examination.

8. The first professional examination shall be held in the following subjects after a course of study extending over two academic years :—

    (*a*) Anatomy.
    (*b*) Physiology.

9. Candidates shall be required to produce the following certificates along with their application for permission to appear at the examination :—

    (*a*) Certificate of having passed the Intermediate Examination under Rule 1 (*i*).

    (*b*) Certificate of having attended a course and duly performed the work of the class.

      (*i*) of study in Anatomy (including Embryology) of at least 200 lectures extending over two long and two short terms with demonstrations and dissections of the whole human body.

     (*ii*) of study of Physiology of at least 200 lectures extending over two long and two short terms.

    (*iii*) in practical Histology of at least 50 meetings of two hours.

    (*iv*) in Physiological Chemistry of at least 20 meetings of two hours each.

     (*v*) of experimental Physiology of at least 20 meetings of two hours each.

Second Professional Examination.

10. The second professional examination shall be held in the following subjects after a course of study extending over one academic year after passing the first professional examination :—

    (*a*) Materia Medica (including Therapeutics).
    (*b*) Hygiene.

11. Candidates shall be required to produce the following certificates along with their application for permission to appear at the Examination :—

   (*a*) Certificate of having passed the first professional exami-
nation.

   (*b*) Certificate in the prescribed form of having attended :—

     (*i*) a course of study in Materia Medica (including Thera-
peutics) of not less than 100 lectures extending over a
long and a short term.

     (*ii*) 20 meetings of two hours each of the Practical Phar-
macy Class.

     (*iii*) a course of study in Hygiene during one long term of
not less than 80 lectures (including Practical Demon-
strations) and instruction in Vaccination.

THIRD PROFESSIONAL EXAMINATION.

12.   The third professional examination shall be held in the
following subjects after a course of study extending over one year
after passing the second professional examination :—

   (*a*)   Pathology (including Bacteriology).

   (*b*)   Medical Jurisprudence.

13.   Candidates shall be required to produce the following
certificates along with their application for permission to appear
at the examination :—

   (*a*) Certificate of having passed the second professional ex-
amination.

   (*b*) Certificate in the prescribed form of having attended a
course :—

     (*i*) of study in Pathology (including Bacteriology) during
two long terms of not less than 100 lectures each.

     (*ii*) of Practical Pathology extending over 30 meetings of
two hours each.

     (*iii*) of Practical Bacteriology extending over 30 meetings
of two hours each.

     (*iv*) of study in Medical Jurisprudence of not less than 80
lectures during one long term.

     (*v*) of 12 meetings at Post-mortem Examinations.

Fourth or Final Professional Examination.

14.   The fourth or final professional examination shall be held
in the following subjects after a course of study extending over one
year after passing the third professional examination :—

Group (1) Medicine and Clinical Medicine.

        Midwifery, Gynæcology, and Diseases of Infancy.

Group (2) Surgery and Clinical Surgery.

        Opthalmology.

15. Candidates shall be required to produce the following certificates along with their application for permission to appear at the examination :—

(a) Certificate of having passed the third professional examination.

(b) Certificate in the prescribed form of having attended :—
   (i) two courses in Medicine of not less than 100 lectures each.
   (ii) two courses in Clinical Medicine of not less than 50 lectures each.
   (iii) one course in Midwifery of not less than 80 lectures.
   (iv) one course in Gynæcology and diseases of Infancy of not less than 40 lectures.
   (v) two courses in Surgery of not less than 100 lectures each.
   (vi) two courses in Clinical Surgery of not less than 50 lectures each.
   (vii) one course in Operative Surgery of not less than 15 meetings of two hours each.
   (viii) a course in Applied Anatomy (Medical and Surgical) of not less than 50 lectures.
   (ix) an infectious diseases Hospital for three months.
   (x) not less than twenty Midwifery cases and conducted not less than six.
   (xi) in Medical Wards as a Clinical Clerk for 9 months.
   (xii) in Surgical Wards as a Clinical Clerk for 9 months.
   (xiii) in the Out-Patients Department for 6 months.
   (xiv) a course of not less than 30 lectures (with Clinical Instruction) in Opthalmology.

(c) Certificate of having had instruction in administering anæsthetics.

Diploma of L.M. & S.

1. Candidates for the Diploma of L. M. & S. shall be required :—

(i) to have passed the Matriculation Examination of the University or an examination considered by the University as equivalent thereto.

(ii) to have undergone a preliminary study for a year, subsequent to their Matriculation, of Physics, Chemistry, (Organic and Inorganic), Botany and Zoology and since then have attended the college of Medicine of the University for a period of not less than four years.

2. Candidates shall be required to pass three professional examinations as hereinafter stated each held twice a year in Hyderabad in the months of Khurdad (April) and Shahrewar (July).

3. Application for admission to each of the professional examination must reach the Registrar not less than four weeks before the commencement of the examination accompanied by the prescribed fee and the certificate required under the rules.

The fee prescribed shall be Rs. 20 for each of the first two professional examinations and Rs. 30 in the case of the third professional examination.

4. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the fee, but he may be admitted to any subsequent examination on his making a fresh application and on payment of a fresh fee.

5. The examination in each subject shall be written (of three hours' duration) practical and oral. Urdu shall be the medium of examination.

6. In order to pass a professional examination, a candidate must obtain not less than 33 per cent. of the marks in the written and not less than 33 per cent. of the marks in the practical and oral in each subject and 40 per cent. of the marks in the aggregate. Successful candidates obtaining not less than two-thirds of the aggregate number of marks shall be placed in the First calss and the rest in the Second. They shall be arranged in the order of proficiency as determined by the total marks obtained by each.

Candidates who pass in any of the two subjects of the first and second professional examination or in any one complete group of the Final professional examination shall be allowed to appear at a subsequent examination only in the remaining subject in case of the first or second professional examination, and only in the remaining group in case of the Final Examination. They shall be required to pay the full fee of the examination.

7. Candidates passing the first two professional examinations shall receive certificates signed by the Registrar and those passing the final examination shall receive a Diploma signed by the Chancellor.

First Professional Examination.

8. The first professional examination shall be held in the following subjects after a course of study extending over two academic years :—

　　　　(*i*) Anatomy.
　　　　(*ii*) Physiology.
　　　　(*iii*) Materia Medica.

9. Candidates shall be required to produce the following certificates along with their application for permission to appear at the examination :—

(a) Certificate of having passed the Matriculation Examination under Rule (1) (i) and of having undergone a preliminary study for a year as required under Rule (ii).

(b) Certificate in the prescribed form of having attended a course—

(i) of study of Anatomy (including Embryology) of at least 200 lectures extending over two long and two short terms with demonstrations and dissections of the whole human body.

(ii) of study in Physiology of at least 200 lectures extending over two long and two short terms.

(iii) in practical Histology of at least 30 meetings of two hours' each.

(iv) in Physiological Chemistry of at least 15 meetings of two hours' each.

(v) of experimental Physiology of at least 15 meetings of two hours' each.

(vi) of study in Materia Medica (including Therapeutics) of not less than 100 lectures extending over a long and a short term.

(vii) of 20 meetings of two hours each in the practical Pharmacy Class.

Second Professional Examination.

10. The second professional examination shall be held in the following subjects after a course of study extending over one year after passing the first professional examination :—

(a) Pathology (including Bacteriology).

(b) Medical Jurisprudence.

(c) Hygiene.

11. Candidates shall be required to produce the following certificates along with their application for admission to appear at the examination—

(a) Certificate of having passed the first professional examination.

(b) Certificate in the prescribed form of having attended.—

(i) a course of study in Pathology (including Bacteriology) during one long term of not less than 100 lectures.

(ii) a course in Practical Pathology and Bacteriology of not less than 30 meetings of two hours each.

(*iii*) a course of study in Medical Jurisprudence during one long term of not less than 80 lectures.

(*iv*) a course of study in Hygiene during one long term (with demonstrations) of not less than 80 meetings, and instruction in vaccination.

(*v*) not less than six Post-mortem Examinations.

Third or Final Professional Examination.

12. The third or final professional examination shall be held in the following subjects after a course of study extending over one year after passing the second professional examination.—

Group (1) Medicine and Clinical Medicine.

Midwifery , Gynæcology , and Diseases of Infancy.

Group (2) Surgery and Clinical Surgery.

Opthalmology.

13. Candidates shall be required to produce the following certificates along with their application for permission to appear at the examination—

(*a*) Certificate of having passed the second professional examination.

(*b*) Certificate in the prescribed form of having attended.—

(*i*) two courses in Medicine of not less than 100 lectures each.

(*ii*) two courses in Clinical Medicine of not less than 50 lectures each.

(*iii*) one course inMidwifery of not less than 80 lectures.

(*iv*) one course in Gynæcology and Diseases of Infancy of not less than 40 lectures.

(*v*) two courses in Surgery of not less than 100 lectures in each.

(*vi*) two courses in Clinical Surgery of not less than 40 lectures each.

(*vii*) one course in Operative Surgery of not less than 15 meetings of two hours each.

(*viii*) an infectious diseases Hospital for two months.

(*ix*) not less than twenty Midwifery cases and conducted not less than six.

(*x*) In Medical Wards as a Clinical Clerk for 9 months.

(*xi*) In Surgical Wards as a Clinical Clerk for 9 months.

(*xii*) in the Out-patients apartment for 3 months.

(*xiii*) a course of not less than 30 lectures. (with Clincial Instruction) in Opthalmology.

(*c*) Certificate of having instruction in administering anæsthetics.

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FACULTY OF ENGINEERING.

B. E. Examination.

Candidates seeking admission to the College for the B. E Degree are required :—

(*a*) To be not under 18 or above 22 years of age.

(*b*) To produce a health certificate from a Gazetted Government Medical Officer of rank not below that of a Civil Surgeon, to the effect that the candidate is fit for outdoor work of the Public Works Department and that he has had small-pox or has been vaccinated.

(*c*) To have passed the Intermediate Examination of a recognised University taking the following subjects :—

(*i*) Mathematics.

(*ii*) Physics.

(*iii*) Chemistry.

(*iv*) English.

(*d*) To produce a testimonial of good character.

(*e*) To sign a declaration form that he will observe the tion of the University in the College.

(*f*) To possess satisfactory knowledge of Urdu language.

The number of students admitted yearly is limited to 20.

Preference will be given to subjects of the Hyderabad State. (Residents of Berar being considered subjects of His Exalted Highness the Nizam). The final selection will be made by the President of the College on the general capabilities of the applicants, who may, if necessary, hold a competitive examination for admission.

Applications should reach the Secretary not later than 10th Amardad of any year, on prescribed forms, which can be obtained from the Secretary of the College.

After the commencement of the Session, students can only be admitted on special grounds, with the sanction of the President ; but no student will be admitted after the last day of Sharewar.

Attendance and Conduct.

Students are required to attend with regularity the courses for which they have entered. In cases of absence, a written notice should be sent at once to the Secretary, accompanied by a medical certificate in cases of illness likely to be prolonged.

Students arriving late for a lecture or Laboratory class will not be registered as having attended.

Students who have not attended regularly or who have absented themselves without the permission of the Secretary from the Terminal or Sessional Examination of any class will not be entitled to the certificate of attendance at that class. (Such certificates of attendance are required to admit a student for the Degree Examination of the University).

The minimum percentage of attendance required is 67.

The President, on the recommendation of the Secretary, may exclude a student from the College and refuse to re-admit him if his progress in studies has not been satisfactory or his conduct has been deemed objectionable.

The course of instruction shall extend over 4 years, of which 3 shall be spent in the College and the fourth chiefly on works.

Students shall be expected to present themselves for Part I Examination in Engineering at the end of their 2nd year of study and for the B. E. Degree Examinatin when they have successfully completed the three years' course at the College.

Civil Engineer students who are successful at the final Examination shall be attached for one year to Public Works Divisions where large works are in progress and shall be regularly instructed in the preparation of materials, the practical details of construction, the management of labour and in the system of accounts. Mechanical Engineer students shall spend the final year in a recognised Engineering Workshop.

The Degree of Bachelor of Engineering (B.E.) will be awarded by the Osmania University to those students who have, after successfully passing their Degree Examination, undergone one year's practical training as approved by the President.

Fees.

The fee for registration for admission shall be Rs. 5 which will in no circumstances be refunded.

A registration fee of Rs. 10 shall be charged by the University for all students migrating to this University from other University.

The tuition fee payable in advance by students while at the College shall be :—

Sessional rate	..	.. 100
Instalment rate (9)		.. 12

Students will have to provide their expenses for survey and other excursions.

A breakage deposit of Rs. 50 will have to be paid by each student at the time of joining College each Session.

The cost of any articles broken or damaged by any student and of repairing any damage to property, will be deducted from his breakage deposit, the balance of which will be returned one month after the close of the Session. Students will also be held liable for damage beyond the amount of the deposit and may also be held jointly responsible for the damage which is not traceable to any one individual.

The fees for Examinations are as follows :—

		Rs.
Part I Examination	..	20
Part II Final Examination	..	30

Students who are exempted from any subject or subjects in the Part I Examination will have to pay the full examination fee. All payments shall be made to the Registrar through the Secretary, Engineering College.

A contribution of Rs. 12 per annum shall be made by each student to the College Athletic Club.

Sessions and Terms.

The Session will commence on the 1st Saturday in Sharewar, or, if the same be a holiday, on the first working day following. Students will be enrolled on the day previous to the opening of the Session.

The Session is divided into the following terms :—

Winter Term :—Commencing on 1st Saturday in Sharewar and ending on the 2nd Thursday in Bahman of the following year.

Summer Term :—Commencing on 1st Saturday in Isfandar and ending on last Thursday in Ardibehisht.

Examinations will be held in the month of Khurdad (April) on such dates as the Syndicate may prescribe.

Every student must provide himself at his own cost with drawing instruments, drawing board, T. squares, etc. Surveying instruments will be supplied free of cost while at the College.

Lockers will be provided for the students in the drawing offices at a charge of Rs. 2 per Session. The locker key may be obtained on a deposit of Rs. 2 which will be refunded on return of the key.

Residence of students.

Students of the Engineering College desiring to live at any of the University College Hostels should apply to the Principal, Osmania University College through the Secretary, Engineering College.

Scholarships.

A limited number of scholarships will be offered every year to deserving students. Particulars of scholarships may be obtained from the Secretary of the College.

Exemptions.

Graduates in Physics may be exempted from attending the classes in that subject, and graduates in Mathematics may be exempted from attending the 1st year classes in Mathematics but in all cases they will have to satisfy the examiners in their respective examinations.

Examinations.

College Examinations will be held at the end of each term in the subjects taught during that term.

University Examinations will be held at the end of the 2nd and the 3rd years, and will be known as Part I and Part II Examinations. Part II Examination will be the final test for Degree.

PART I EXAMINATION.

1. Pure Mathematics :—

   a. Analytical Geometry, Plane and Solid.
   b. Calculus — Integral Calculus, Differential Calculus, Differential Equations. — 1 Paper

2. Applied Mathematics :—

   a Statics .. ..
   b. Dynamics .. .. .. — 1 Paper
   c. Hydrostatics .. .. ..

3. Surveying :— 1 Paper

4. Elasticity and Strength of Materials and Theory of Structures .. .. .. 1 Paper.

5. Heat Engines and Theory of Machines .. 1 Paper.

6. Either

   Civil Engineering Design and Geometrical Drawing for Civil Engineering Students, 1 Paper.

   OR

   Machine Design and Geometrical Drawing for Mechanical Engineering Students. 1 Paper.

PART II EXAMINATION.

Civil.

1. Higher Theory of Elasticity and Theory of Structures.   1 Paper.

2.	Higher Geodesy	..	..	..	1 Paper
3.	Hydraulics	..	..	..	do
4.	Irrigation	..	..	..	do
5.	Civil Engineering and Reinforced Concrete Design		..	..	do

Mechnical.

1.	Higher Theory of Elasticity and Theory of Machines		..	..	do
2.	Hydraulics	..	..	..	do
3.	Thermodynamics	..	..	..	do
4.	Metallurgy and Fuel		..	..	do
5.	Machine and Machine-Tool Design.			..	do

FACULTY OF TEACHING.

B. T. Examination.

1.   Candidates for the degree of Bachelor of Teaching must be graduates in Arts or Science of the Osmania University or any other University recognised by it.

2.   The course of study and training for the B.T. Degree shall extend over one academic year of three terms with the necessary attendance of 75 per cent. at the Teachers' College of the University.

3.   The examination shall be a written examination conducted by means of printed papers. Besides the written examination there will be a practical examination in the teaching of the two subjects selected under Section 5 (*iv*) to test the candidates' skill in teaching. In determining the standard attained due regard will be paid to the College record in practical lessons.

Every candidate shall be required to give two full lessons in the presence of a Board of two Examiners—one internal and one external.

. The course will consist of lectures, select reading and discussions in conference, besides practice in the handling of classes and the giving of instruction followed by discussions.

Each candidate will be required to give 20 lessons under supervision during the year.

5.   Candidates shall undergo a course of instruction and be examined in—

   (*i*) School organisation and discipline including
      Hygiene   ..   ..   .. 1 Paper

  (*ii*) Educational Psychology   ..   ..   do

 (*iii*) General principles of Teaching ..   ..   do

  (*iv*) Specific methods of teaching of two subjects;
      one from each of the following groups :—   do

      (*a*) English, Physical or Biological Sciences.

      (*b*) History, Geography, and Mathematics.

   (*v*) History of Education Ideas and select classics
      in Education.

  (*vi*) Special subjects—one of the following   .. 1 Paper.

      (*a*) Modern Educational Systems and Problems.

      (*b*) Experimental Education.

      (*c*) Child Education.

Instruction will also be imparted in the following additional subjects, but no examination will be held therein :—

> (*a*) Black Board Illustration.
>
> (*b*) Manual Training and Hand-work, or Nature Study and Gardening.

Candidates who obtain not less than 35 per cent. of the marks in papers 1 and 2, and 35 per cent. in 3, 4, and 5, and 35 per cent. in each of the papers 6 and 7, and 40 per cent. in the aggregate of the written examination ; and 40 per cent. in the practical examination shall be declared to be eligible to receive the Degree of Bachelor of Teaching. All other candidates shall be deemed to have failed. Of the successful candidates those who obtain not less than 65 per cent. of the total marks shall be placed in the First Division and those who obtain not less than 50 per cent. of the total marks shall be placed in the Second Division. The remaining successful candidates shall be considered to have passed in Third Division. Successful candidates who obtain not less than 65 per cent. of the marks in the paper relating to 5 (*iv a*) or 5 (*iv b*.) shall be declared to have attained distinction in that subject.

18.—TEXT-BOOKS.

FACULTY OF ARTS.

MATRICULATION EXAMINATION

ENGLISH

1839—1840 *F.* (1930—1931).

Detailed Prose:—

A Book of English Prose edited by Eric Partridge (Edward Arnold & Co.).   The following selections :— -

1. Stage Lions	..	.. Joseph Addison.
2. The Capture of a Fleet	..	.. Jonathan Swift.
3. Beau Tibbs	..	.. Oliver Goldsmith.
4. A Dissertation on the Art of Flying	..	.. Samuel Johnson.
5. My First Play	..	.. Charles Lamb.
6. The Chase and After	..	.. Sir Walter Scott.
7. An Adventure in the South Sea Islands	..	E. A. Poe.
8. Squeers	..	.. Charles Dickens.
9. Early Times in England	..	.. Lord Macaulay.
10. Boys Together	..	.. George Meredith.
11. English Preparations for the Armada	..	J. A. Froude.
12. A Glimpse of Nature	..	.. John Ruskin.
13. The Character of Dogs	..	.. R. L. Stevenson.
14. A Fight Against a Typhoon	..	Joseph Conrad.

Non-Detailed Prose :—

The Life and Adventures of Robinson Crusoe by Daniel Defoe, English Literature for Secondary Schools Series. Macmillan & Co.
Poetry :—

The following selections from Palgrave's Golden Treasury :—

Under the Greenwood Tree	..Shakespeare.
Blow, Blow, Thou Winter Wind	.. do
Fidele	.. do
On the Tombs in Westminster Abbey	..Beaumont.
On his Blindness	..Milton.
Character of a Happy Life	..Wotton.
The Noble Nature	..Ben Jonson.
To Blossoms	..Herrick.
To Daffodils	.. do
The Quiet Life	..Pope.
The Blind Boy	..Cibber.

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Loss of the Royal George ..	..Cowper.
The Solitude of Alexander Selkirk	.. do
Lord Ullin's Daughter ..	..Campbell.
When we two parted ..	..Byron.
Milton ! thou shouldst be living at this hour	Wordsworth.
Hohenlinden	..Campbell.
The Burial of Sir John Moore at Corunna	.Wolfe.
The old Familiar Faces ..	..Lamb.
Past and Present	..Hood.
The Light of Other Days ..	..Moore.
The Scholar	..Southey.
To the Skylark	..Wordsworth.
Ode to a Nightingale ..	..Keats.
Upon Westminster Bridge ..	..Wordsworth.
The Reaper	.. do
The World is too much with us	.. do
A Jacobite's Epitaph ..	..Lord Macaulay.
The Slave's Dream ..	..Longfellow.
The Brook	..Lord Tennyson.
The Lost Leader	..R. Browning.
Home thoughts from Abroad .	.. do
Home thoughts from the Sea .	.. do
Tubal Cain	..Mackay.
Where Lies the land ..	..A. H. Clough.
Summer Dawn	..W. Morris.

1341—1342 F. (1932—1933).

PRE-MATRIC. :—

Detailed Prose :—

Macmillan's High School Reader No. II.

Non-Detailed Prose :—

Macmillan's II year Reader—Discoveries and Inventions by Ben Mendelssohn, B.A.

MATRIC. :—

Detailed Prose :—

A University Entrance course in Modern English Prose. (Macmillan & Co.)

The following selections :—

1. The First Railway ..	.. H. D. Williams.
4. In the Amazon Forest ..	.. R. J. Finch.
5. Our Unseen Friends and Foes—From the Child's Encyclopedia.	
6. The Wager	.. A. Dumas Part I & II.
10. Baghdad in the Hot Weather.	.. Blackwood's Magazine.
12. The Bear Hunt ..	.. Leo Tolstoy.

14. The Candle Flame   ..   Michael Faraday.
15. The Cabuliwallah Part I & II..   Rabindranath Tagore.
16. How Stanley found Livingstone.
     (Part I and II)   ..   Sven Hedin.
17. The Praying Mantis   ..   J. H. Fabre.
19. Life on the Nile   ..   ..   Eliot Warburton.
     (1) A Crocodile Hunt
     (2) Life on the River
22. The conquest of the air   ..   Harry Harper.

Non-Detailed Prose :—

Rupert of Hentzau by Anthony Hope, abridged by E. V. Rieu, (Oxford University Press).

Poetry :—

The following selections from Palgrave's Golden Treasury :—

Under the Greenwood Tree ..	..Shakespeare.
Blow, Blow, Thou Winter Wind	.. do
Fidele	.. do
On the Tombs in Westminster Abbey	..Beaumont.
On his Blindness ..	..Milton.
Character of a Happy Life ..	..Wotton.
To Blossoms	..Herrick.
The Blind Boy ..	..Cibber.
The Curfew tolls the knell of parting day	.Thomas Gray.
The Solitude of Alexander Selkirk	..Cowper.
Lord Ullin's Daughter	..Campbell.
Milton ! thou shouldst be living at this hour	..Wordsworth.
Hohenlinden	..Campbell.
The Burial of Sir John Moore at Corunna	.Wolfe.
The Old Familiar Faces	..Lamb.
Past and Present ..	..Hood.
The Light of Other Days	..Moore.
The Scholar	..Southey.
To the Cuckoo ..	..Wordsworth.
Upon Westminster Bridge ..	.. do
The Reaper	.. do
I wandered lonely as a cloud .	.. do
The World is too much with us	.. do
A Jacobite's Epitaph	..Lord Macaulay.
The Slave's Dream	..Longfellow.
Break, break, break	..Lord Tennyson.
The Brook	.. do
The Lost Leader ..	..R. Browning.
Tubal Cain	..Mackay.
Where Lies the land to which the ship would go	..A. H. Clough.
The Sands of Dee	..Charles Kingsley.
When all the World is young lad	.. do

Summer Dawn .. .. ..W. Morris

O Captain : my captain : our fearful trip is
done .. .. ..Walt Whitman.

English Composition by W. Turner, recommended for class use only, (both for the Pre-matric and Matric Classes).

N.B.—The selections from Palgrave's Golden Treasury may be begun in the Pre-matric class. School Examination will be held in the books prescribed for the Pre-matric class. There will be no University Examination in these books.

ARABIC.

1339—1340 *F*. (1930—1931).

Prose :—

Majani-ul-Adab, (Beyrout Edition) Part I.

For Detailed Study—from pages 7 to 23 and 41 to 152.

For Non-Detailed Study—from pages 152 to 165 and 284 to 276.

Poetry :—

Qasida-al-Burda, (Imam Busiri).

Grammar :—

Kitab-us-Sarf wa Kitab-un-Nahv, by Hafiz Abdul Rahman Amritsari.

1341—1342 *F*. (1932—1933).

Prose :—

Majani-ul-Adab, (Beyrout Edition) Part I.

For Detailed Study—from pages 7 to 23 and 41 to 152.

For Non-Detailed Study—*Nukhabul Mulah, Part I, Al-Qism-al-Awwal, (Beyrout Edition) from page 1 to page 55.

Poetry :—

Qasida-al-Burda, (Imam Busiri).

Grammar and Translation :

*Mabadiul Arabiya fis Sarf wan Nahv, compiled by Rashi-dal Shartuni, (Beyrout Edition) Part I.

(Translation from Arabic into Urdu and from Urdu into Arabic).

SANSKRIT.

1339—1340 *F*. (1930—1931).

Prose :—

Lele's Sanskrit Course, Part I (1924), from story 51 to 80, both inclusive.

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* These books can be had of Maktaba Ahdiya, Sayyidwada, Surat, Abdus Samad & Sons, Proprietors.

Poetry :—

Lele's Sanskrit Course, Part I (1924), pages 104–109. both inclusive (verses 67-125 both inclusive).

Grammar :—

Dr. Bhandarkar's Books I & II, omitting Aorist, (Messrs. Gopal Narayan & Co., Bombay).

1341—1342 F. (1932—1933).

Prose :—

Lele's Sanskrit course, Part I (1928).

From 51st story ' The Tale of King Nahusha '

(Rajno Nahushasya Katha) to the end of 80th story, Dasharatha's Curse, (Dasharatha Shapvritant).

Poetry :—

Lele's Sanskrit course, Part I (1928).

From verse 51st (Langulchalan etc.) to the end of 101st verse (ending with Rahovitaatmurjitam etc.)

Grammar :—

Dr. Bhandarkar's Book I & II. omitting Aorist, (Messrs. Gopal Narayan & Co., Bombay).

PERSIAN.

For 1339 Fasli (1930).

Ganjina-i-Adab, (Anwar Ahmadi Press, Allahabad), excluding Selections from Chapter 8th of Gulistan and Chapter 3rd of Bostan.

Qand-i-Parsi.

Miftah-ul-Qawaid.

For 1340 Fasli (1931).

1 Durar-e-Farsi, compiled by Dr. M. Nizamuddin.

2 Misbahul Qawaid Part I, II and III. Printed by Anwar Ahmadi Press, Allahabad.

1341—1342 F. (1932—1933).

1. Durar-e-Farsi, compiled by Dr. M. Nizamuddin.

2. Makhzanul Qawaid by Mirza Ali Riza Mahir Shirazi, (Maktabai Ibrahimiya, Hyderabad Dn.).

URDU.

1339—1340 F. (1930—1931).

1. Nisab-e-Urdu, compiled by Abdul Haq.

.2. Misbahul Qawaid, compiled by Fateh Muhammad, Jalandhari.

1341—1342 *F*, (1932—1933).

Same as for 1339—1340 *F*. (1931—1932).

MARATHI.

1339—1340 *F*. (1930—1931).

Prose :—

Vachanpathamala, Part I, pages 1-160 by K. G. Kinare.

Poetry :—

Kekavali by Maropant—the first 50 kekas.

Grammar :—

R. B. Joshi's Grammar, Book II.

N. B.—These books can be had from New Kitabkhana
Budhwarpett, Poona City.

1341—1342 F. (1932—1933).

Prose :—

Jagachen Wangmaya, prose, extracts only by R. P. Sabnis.
(Macmillan & Co., Ltd., Bombay).

Poetry :—

Kekavali by Maropant—from keka 51 to the end.

Grammar :—

Same as for 1339—1340 (1930—1931).

KANARESE.

1339—1340 *F*. (1930—1931).

Prose :—

Madidunno Maharaya by M.S. Puttana, Bangalore.

Poetry :—

Torave Ramayana Balakanda, the last 292 Stanzas.
(Karnataka Sahitya Parishat Edition).

Grammar :—

Vyakarna Sara Sangraha.

1341—1342 *F*. (1932—1933)

Poetry :—

Yamana Solu and Kinneri Jogi by Puttayya and Someswara
Sataka, (Karnataka Sahitya Parishat Edition).

Prose :—

(1) Tapobala by Sri Siva, published by B. Srinivasa Iyengar,
Bangalore.

▪(2) Swaprayasa PhalaDipike by Vedamrita, (Christian Library Society, Mysore).

Grammar :—

Vyakarna Sara Sangraha.

TELUGU.

1339—1340 *F.* (1930—1931).

Prose :—

Tales from the Dramas of Kalidasa by N. Ranga Rao, published by Arya Book Depôt, Rajahmundry.

Poetry :—

Purana Mani Manjari, 2nd Edition, published by R. Venkateswar & Co., Loan Square, George Town, Madras.

Pages 174 to 184, 45 Stanzas.

,,   185 to 191, 19   ,,

,,   192 to 198, 27   ,,

,,   198 to 206, 34   ,,

Grammar :—

Sulabha Vyakaranam Parts I and II.

•   1341—1342 *F.* (1932—1933).

Prose :—

1. Suyodhana Vijayam by K. Raghupati Rao.

2. Tales from the Dramas of Kalidasa by N. Ranga Rao, published by Arya Book Depôt, Rajahmundry.

3. Sath Katha Manjari, (Non-detailed) Part II, by Gollapudi Srirama Sastri, Chittore.

Poetry :—

Dhruvopakhyanamu (The whole) (Vavilla R. Sastri and Sons, Madras).

Grammar :—

Sulabha Vyakaranam, Parts I & II.

INDIAN HISTORY AND GEOGRAPHY.

1. Sayyid Hashimi's Matriculation History of India (Osmania University Series).

2. No book is prescribed in Geography. For syllabus see Appendix.

The following book is recommended :—

Marsden's Geography for Senior Classes, (Osmania University Series).

ENGLISH HISTORY.

Buckley's History of England (Osmania University Series).

MATHEMATICS.

(*i*) Elementary Mathematics. (*For students taking Group A*).

Arithmetic, Algebra, Geometry and Mensuration :—

No books are prescribed. For syllabuses see Appendix.

(*ii*) Mathematics more advanced (*For students taking Group B*).

No books are prescribed in Arithmetic, Algebra and Mensuration. For syllabuses see Appendix.

Geometry.—The first four parts of Hall and Stevens' School Geometry (excluding Simson line and nine point circle). Elementary properties of similar triangles.

SCEINCE.

Physics and Chemistry.

(1) Physics for Matriculation Students. 2 parts (Osmania University Series).

(2) Chemistry for Matriculation Students, (Osmania University Series).

THEOLOGY OR MORALS.

(A.) Theology (for Hanafi students).

(*i*) Aqaid and Akhlaq—

(*a*) Aqaid-i-Islam—Translation of Fiqh-i-Akbar from pages 54 to the end. (the Qaiyumi Press, Cawnpore).

(*b*) Arbain by Imam Ghazali (Translated by Maulana Ashraf Ali Sahib).

(*ii*) Fiqha—

The following chapters of Ahsan-ul-Masail :—

   (*i*) Kitab-un-Nikah.
   (*ii*) Kitab-ur-Riza.
   (*iii*) Kitab-ut-Talaq.
   (*iv*) Kitab-ul-Iman.
   (*v*) Kitab-us-Said-wa-Zabaih.
   (*vi*) Kitab-ul-Karahat.
   (*vii*) Kitab-ul-Adhiyah.
   (*viii*) Kitab-ul-Waqf.

(B.) Morals (for Non-Hanafi and Non-Muslim students).—(F. G. Gould's Youth's Noble Path, Urdu translation.) Tariq-i-Saadat, Parts I an II by Zamin Ali Kanturi.

INTERMEDIATE EXAMINATION.

ENGLISH.
1339-1340 F. (1930-1931).

Detailed :—

Poetry—
(1) Palgrave's Golden Treasury : the following selections :—

118	The Quiet Life ..	..A. Pope.
119	The Blind Boy ..	..C. Cibber.
158	Ode on a Distant Prospect of .. Eton College ..	..T. Gray.
160	The solitude of Alexander Selkirk	W. Cowper.
171	.. ..	..Byron.
175	.. ..	..Coleridge.
189	To a distant friend ..	..W. Wordsworth.
194	The Rover ..	..Scott.
212	London 1802 ..	..W. Wordsworth.
215	Hohenlinden ..	..T. Campbell.
216	After Blenheim ..	..R. Southey.
236	Rosabelle ..	..Scott.
243	To the Cuckoo ..	..W. Wordsworth.
267	The Soldier's Dream	..T. Campbell.
272	Lines written in early spring	..W. Wordsworth.
286	.. ..	.. do

(2) English Narrative Poems by H. Newbolt (Edward Arnold & Co.). The following Poems :—

(*i*)	Tennyson ..	..Morte D'Arthur.
(*ii*)	Arnold ..	..Sohrab and Rustom.
(*iii*)	Byron ..	..Mazeppa.
(*iv*)	Morris ..	..Atalanta.
(*v*)	Scott ..	..Bannockburn.

Prose—
(1) Narrative Essays and Sketches by Treble and Vallins, (Harrap). *Omitting the following :—*

1. Hazlitt's Fives Player.
2. Irving's Moor's Legacy.
3. Dickens' Nurses' Stories.
4. Grahame's Argonauts.
5. Hazlitt's Letter Bell.
6. Lamb's New Year.
7. Goldsmith's Trifler.
8. Goldsmith's Beau Tibbs.

(2) Macaulay's Essays on Goldsmith's and Johnson,

Non-Detailed.

Stevenson's Treasure Island.

23

1341-1342 F. (1932-1933).

I. *Poetry :*—English narrative poems by H. Newbolt, (Edward Arnold & Co.). The following Selections :—

1. Michael	..	..Wordsworth
2. The Ancient Mariner		..Coleridge
3. Morte D' Arthur	..	..Tennyson
4. Sohrab and Rustom		..Arnold
5. Mazeppa	..	..Byron
6. Atalanta	..	..Morris
7. Bannockburn	..	..Scott

II. *Prose—(a) Detailed :—*

1. Selected Essays from English Literature by Elizabeth Lee (Edward Arnold & Co). The whole, omitting the follow ing :—

    1. Francis Bacon.

    2. Abraham Cowley.

2. Macaulay's Essays on Goldsmith and Johnson.

    (*b*) *Non-Detailed*—Lorna Doone (Macmillan's Pocket addi- tion).

ARABIC.

1339-1340 F. (1930-1931).

Prose :—

1, Kalila-wa-Dimna, First half up to the beginning of Bub-ul-Hamamat-al-Mutawwaqa, (pp. 72).

2. Maqamat-u-Badi-iz-Zaman, First 5 Assemblies.

Poetry :—

Hamasah, the following Chapters :—

(1) Bab-ul-Adab (the whole).

(2) Bab-us-Sifat (the whole).

(8) Bab-ul-Adyaf-wal-Madih, (the whole).

Non-Detailed :—

Min-haj-ul-Adab by Amin Wasif Bek, Part I (the whole), printed at Matbaat-ul-Maarif (Cairo).

Rhetoric and Prosody ;—

Ilm-ul-Adab, edited by Louis Sheikhou (Beirut edition), Selections from the first part.

Grammar: —

Kitab-us-Sarf wa Kitab-un-Nahw.

1341—1342 F. (1932—1933).

Prose :—

Same as for 1339 and 1340.

Poetry :—

Same as for 1339 and 1340, except that only 250 couplets of
Bab-ul-Adyaf-wal-Madih.

Non-Detailed :—

Al-Buasa, Part I compiled by Hafiz Muhammad Ibrahim Bey
(printed at Cairo,)

Rhetoric, Syntax and Prosody :—

Same as for 1339—1340 F. (1932—1933)

Grammar : —

Mabadi-ul-Arabiya by Rashid-ush-Shartuni, Part II.

PERSIAN.

1339—1340 F. (1930—1931)

Detailed Prose :—

Anwar Suhali —First Chapter, the Mustafai Press Edition.
Gulistan—The Introduction and Chapters 7 and 8.

Non-Detailed Prose :—

Life of Amir Abdul Rahman Khan, first 10 Chapters.
Safar Nama-i-Nasir Khusro, first 100 pages.

Poetry :—

عرفی - حسب ذیل فصا ید -

(الف) قصید ه ا ول

(ب) قصید ه د و م

(ج) قصید ه جسکی ا بتدا مصر ء۔ ذ بل سے ہو تی ہے :۔

'' ز آ سما ن و ز مین مژد ه نا گہا ن آ مد ''

(د) قصید ه جس کی ا بتدا مصر عم ذ یل سے ہو تی ہے :۔

'' ہر سو ختم جا ۓ کہ بہ کشمیر د ر آ ید ''

ہا فظ - حسب ذ یل ۵۰ غز لیا ت :۔

(١) الا یا ایہا السا قی ا د ر کا سأ و نا و لہا

(۲) شب از مطرب که دل خوش با د وئے را

(۳) بملا زمان سلطان کہ رساند این دعا را

(۴) صبا به لطف بگو آن غزال رعنا را

(۵) بیا که قصر املِ سخت سست بنیاد ست

(۶) روضهٔ خلد برین خلوت درویشان ست

(۷) سرا را دت ما وآ سقا ن حضرت دوست

(۸) دل سرا پر دهٔ محبت اوست

(۹) سینهٔ ام ز آتش دل درغمجا تانمبسوخت

(۱۰) زاهدِ ظاهر پرست از حال ما آگاه نیست

(۱۱) آن ترکِ پری چهره که دوش از بر ما رفت

(۱۲) منم که گوشهٔ میخانهٔ خانقاهِ من ست

(۱۳) خلوت گزیدهٔ را بہ تماشا چہ حا جت ست

(۱۴) خوشتر ز عیش وصحبت و باغ و بہار چیست

(۱۵) در دیر مغان آمد یارم قدحی در دشت

(۱۶) بنال بلبل اگر با منت سر یاری ست

(۱۷) عیب رندان مکن ای زاهد پاکیزه سرشت

(۱۸) درین زمانه رفیقی کہ خالی از خلل ست

(۱۹) صبا اگر گزرت افتد ت بکشور دوست

(۲۰) بکوے مبکده ہ ہر سالکے کہ رہ دانست

(۲۱) بحر یست بحر عشق کہ هیچش کنا رہ نیست

(۲۲) ز گریه مردم چشمم نشستم درخون ست

(۲۳) کس نیست کہ افتاد هٔ آ ن زلف دو تا نیست

(۲۴) شنید ه ام سخنی خوش کہ پیر کنعان گفت

(۲۵) المنتم لله کہ در میکدہ باز ا ست

(۲۶) آن کیست کز روی کرم باما وفاداری کند

(۲۷) بحسن خلق و وفا کس بہ یار ما نرسد

(۲۸) تا ز میخانہ و میِ نام و نشان خوا ہد بود

(۲۹) دلا بسوز کہ سوز تو کارہا بکند

(۳۰) صوفی نهاد دام و سر حقہ با ز کرد

(۳۱) روبرو هش نهادم وبر من گزر نگرد

(۳۲) غلامِ نرگسِ مست تو تاجدارانند

(۳۳) و اعظان کین حلوہ بر محراب و منبر می کنند

(۳۴) ہرانکو خاطر مجموع و یار نازنین دارد

(۳۵) یاری اند رکس نمی بینیم یار انرا چم شدّ

(۳۶) با خبان گر پنج روز ے صحبت گل با پد ش

(۳۷) مزن بر دل ز نوک غمزۂ تیر م

(۳۸) مزرع سبز فلک دیدم و دا نش مہ نو

(۳۹) اے د رچمن خوبی رویت چو گل خود رو

(۴۰) از من جدا مشو کہ توام نور دید ۂ

(۴۱) اے بیخبر بکوش کہ صاحب خبر شوی

(۴۲) اے دل ای بہ کہ خرب ازمئ گلگون باشی

(۴۳) اے دل بکوے عشق گز ار ے نمی کنی

(۴۴) بامد می مگو گید ا سرا ر عشق و مستی

(۴۵) بفراغ د ل زمانے نظر ے بما هر و لّے

(۴۶) سحرم ها تف میخانہ بد ولت خوا هی

(۴۷) سلا مے چو بوئے خوش آ شنا ئی

(۴۸) کہ برد بنزد شاها ن زمن گدا پیا مے

(۴۹) نوبهار ست د ر ان کوش کہ خوشدل باشی

(۵۰) ز کوے یار می آید نسیم با د نوروزی

سعد ی - مذد رجم ذ یل تین قصا ید :—

(۱) این منتے برا هل ز مین برد رآ سمان

(۲) شکر بشکر نهم د رد هان مژ دہ د هان

(۳) اے نفس ا گر بد ید ہ تحقیق بنگر ی

آا آ نی - حسب ذ یل تین قصا ید :—

(۱) بگرد و ن تیر ہ ا بر کہ با مد ادانی بر شدازد ریا

(۲) بنفشہ رستم ا ز زمین بطر ف جو ئبار ہا

(۳) فر و بگر فتہ فتح گیتی را ببا غ و راغ و کوہ و در

Grammar :—

The following books are recommended :—
(1) Jame-ul-Qawaid (Published by Gulab Singh, Lahore).
(2) Hadaiq-ul-Balaghat, by Mir Shamsuddin Faqir. (excluding Fan-i-Muamma).

Elementary Arabic :—

Qazi Mir Ahmad Shah Rizwani's Arabic Reader, Part 1.

1341—1342 F. (1932—1933)

عربی - حسب ذیل قصاید :—

Poetry :—

الف - قصیده اول

ب - قصیده دوم

ج - قصیده جسکی ابتدا امصرعم ذیل سے ہوتی ہے:-

- ,, ز آسمان وزمین مژده نا گہان آمد ''

د - قصیده جسکی ابتد امصرعم ذیل سے ہوتی ہے:-

,, ہر سوختم جانے کم بکشمیر درآید ''

خواجہ حافظ - حسب ذیل ۰۳ غزلیات :—

(۱) الا یا ایہا الساقی ادرکًا سًا ونا ولہا

(۲) شباز مطرب کمدل خوش با دوے را

(۳) صبا بلطف بگو آن غزال رعنا را

(۴) بیا کم قصرا مل سخت سست بنیاد ست

(۵) روضۂ خلد برین خلوت درویتان است

(۶) سرار دات ما و آستان حضرت دوست

(۷) زاہد ظاہر پرست ازحال ما آگاہ نیست

(۸) آن ترک پری چہرہ کمدوش ازبر مارفت

(۹) منم کم گوشم میخانم خانقاہ من است

(۱۰) خوشتر زعیش و صحبت و باغ و بہار چیست

(۱۱) درد یر مغان آمد یارم قدحے درد ست

(۱۲) عیب رندان مکن اے زاہد پاکیزہ سرشت

(۱۳) صبا اگر گذرے افتد ت بکشور دوست

(۱۴) بکوئے میکدہ ہر سالکے کم رہ دانست

(۱۵) بحریست بحر عشق کم ہیچش کنارہ نیست

(۱۶) کس نیست کم افتادہ ان زلف دوتا نیست

(۱۷) شنیدہ ام سخنے خوش کم پیرکنعان گفت

(۱۸) المنة للہ کم در میکدہ باز است

(۱۹) بحسن و خلق و وفا کس بیا رما نرسد

(۲۰) تا زمیخانہ ومے نام ونشان خواہد بود

(۲۱) دلا بسوز کم سوز تو کارہا بکند

(۲۲) صوفی نہادہ دام و سرحقم باز کرد

(۲۳) روبر رهش نہادم دل بر من گز رنکرد

(۲۴) غلام نرگس مست تو تاجدارا تند
(۲۵) واعظان کین جلوه برمحراب و منبرمی کنند
(۲۶) هرانکو خاصر مجموع ویا رنازنین دارد
(۲۷) یاری اند رکس نمی بینم یارا ن راچه شد
(۲۸) با غباان گرپنج روزے صحبت گل باید ش
(۲۹) عزم بر دل زنوک غمزه تیرم
(۳۰) مزرع سبز فلک دیدم و داس مه نو
(۳۱) اے درچمن خوبی رویت چوگل خودرو
(۳۲) از من جدامشو کم توام نورد یده
(۳۳) اے بیخبر بکو ش که صاحب خبر شوی
(۳۴) اے دل ان بمکهخراب از میگے گلگون باشی
(۳۵) اے دل بکو ئے عشق گز ارے نمی کنی
(۳۶) با مدعی مگوئیدا سرا رعشق و مستی
(۳۷) سحرم ها تف میخانم بد ولت خواهی
(۳۸) کم برد بنزد شاهان ز من گدا پیام
(۳۹) نوبهارست در ان کوش که خو شدل باشی
(۴۰) ز کوئے یا رمی آید نسیم باد نوروزی

سعد ی - حسب ذیل تین قصا ید :ـــ

(۱) این مدت برآ هل زمین بود زا سمان
(۲) شکر بشکر نهم درد هان مژده دهان
(۳) اے نفس اگر بد ید ه تحقیق بنگری

قآ نی حسب ذیل تین قصاید ـ

(۱) بگرد ون تیره ابرے با مدادان برشدازد ریا
(۲) بنفشه رستم از زمین بطرف جوگبارها
(۳) فرو بگرفتم گیتی را باغ وراغ وکوه ودر

عبید زاکانی - موش و گربه - (مطبوعه مطبع کاویانی برلن)

Prose :ــ

(۱) انوار سهیلی - باب اول تاآخرحکایت دهم
(۲) گلستان - باب هفتم و هشتم
(۲) لسان العجم-مولفم میر حسین علی صاحب
حصہ اول - باب اول حصہ نثر مطبوعہ لاهور

Non-Detailed :—

را ٠ نو - جلد چھار م (نگا رش حسین کا ظم زا د ۵ ا یرا ن شھر
مطبوعہ بر ئن)

Rhetoric and Prosody :—

بھا ربلا غت مو لغم محمد قلند ر علیخا نصاحب
(صفحا ت ۱ تا ۱۲۹) کے سفا رش کدجا ٹی ہے

Elementary Arabic :—

ا لطر یقۃ المبتکرۃلتعلیم القرا ۃ العربیہ-تالیف
ا برا ہیم زید ا ن ا لجزء ا لا ول مطبوعہ مصر-

SANSKRIT.

1339-1340 F. (1930-1931).

Prose :— Vikramorvashiyam by Kalidas (Bombay Sanskrit Series).
Poetry :— Raghuvamsa, Cantos III and VI.
Grammar :— Grammar :—Kale's Smaller Grammar.

1341-1342 F. (1932-1933).

Prose :—
　Same as for 1339-1340.
Poetry :— Raghuvamsa—Canto VI. 11th Adhyaya of Bhagvadgita
Grammar—Same as for 1339-1340.

URDU.

1339—1340 F. (1930—1931)

Prose :—

(۱) مشرقی تمد ن کا آ خری نمونہ ۔۔ عبد ا لحلیم شر ر
(۲) فسا نہمبتلا - نذ یر ا حمد(باستثنا ء فصل ۱۹ '' مبتلا ا ور
عا ر ف کا مبا حثہ'')
(۳) جد ید مجموعہ مضا مین سرسید ا حمدخاں منتنخیم
مو لوی عبد ا لحق صا حب و وحید ا لد ین صا حب سلیم

Non-Detailed :—

مشا عرہ د ھلی سنہ ۱۲۶۱ھ مرتبہ مرزا فرحت اللہ بیگ

Poetry :—

(۱)د یوان حالی رد یفہاے الف- ن- ی(قطعات ر ر با عیات)
(۲) د یوا ن غا لب حسب ذیل غزلیا ت
(۱) د ر د منت کش د وا نم ہوا
(۲) پھر مجھے د ید ہ تر یا د آ یا
(۳) ہو گئی تا خیر تو کچہ با عث تا خیر بھی تھا
(۴) جو بر سے با ز آ ئے پر با ز آ ئیں کیا

(۵) دوست نمخوا رہی میں میری سعی فرما ئیدیگی کیا

(۶) گھر جب بنا لیا ترے د ر پر کہے بغیر

(۷) لازم تھا کہ دیکھو میرا رستم کوئی دن اور

(۸) آہ کو چا ھئے ا ک عمر اثر ہونے تک

(۹) وہ فرا ق اور وہ وصا ل کہا ن

(۱۰) مزے جہان کے ا پنی نظر میں خاک نہیں

(۱۱) کی و فا ہم سے تو غیر اس کو جفا کہتے ھیں

(۱۲) یہ ہم جو ہجر میں دیوا رودر کود یکھتے ھیں

(۱۳) سب کہا ن کچھ لالہ و گل میں نما یا ن ہوگئیں

(۱۴) دل ہی تو ھے نہ سنگ وخشت درد سے بھر نہ آئے کیوں

(۱۵) رھئے اب ایسی جگہ چلکر جہا ن کوئی نہ ہو

(۱۶) مسجد کے زیر سایہ خرا بات چا ھئے

(۱۷) عشق مجھ کو نہیں و حشت ھی سہی

(۱۸) کوئی دن گر زندگانی اور ھے

(۱۹) کو ئی ا مید بر نہیں آ تی

(۲۰) دل قا دا ن تجھ سے ہوا کیا ھے

(۲۱) پھر کچھ ا ک دل کو بیقرا ری ھے

(۲۲) پھر اس ا ند ا ز سے بہار آ ئی

(۲۳) با زیچۂ اطفا ل ھے دنیا مرے آ گے

(۲۴) ا بن مر یم ہوا کرے کوئی

(۲۵) کہدیں نیکی بھی اسکے ہی میں گرآجا ے ھے مجھ سے

(۲۶) مدت ہو ئی ھے یا ر کو مہمان کئے ہوئے

(۲۷) نو یدا من ھے بیدا دد و ست جان کے لئے

(۲۸) ہا ں دل درد مند ز مز مہ سا ز

(۲۹) خوش ہوا ے بخت کہ ھے آ ج تیرے سرسہرا

(۳۰) منظور رھے گزارش احوا ل وا قعی

(۳) انتخا ب کلام میر مر تبہ مولوی عبد الحق صاحب (پہلے ۳۲ صفحے)

(۴) دیوان خواجہ میر درد (بدایون ایڈ یشن)

Etymology and Syntax :—

قوا عد ار دو مر تبہ مولو ی عبد ا لحق صا حب کی

سفارش کی جا تی ھے

عروض بیان اور بد یع سے معمولی وا قفیت لا ز می ھے

24

Bhasha :—

با ل نبند ه با لا (ا نڈ ین پریس ا لم آ با د)

1341—1342 F. (1932—1933)

Prose :—

(۱) مشرقی تمدن کا آ خری نمونه - عبد ا لحلیم شرر

(۲) فسا نم مبتلا- نذ یر ا حمد (با ستثنا ء فصل ۱۹ مبتلا ا ور عا رف کا مبا حثه)

(۳) حیا ت سعد ی مولفم مو لا نا حا لی مطا لعم سرسری

(١) مشاعره د هلی سلم۱۲۹۱ه هر تیم مرزا فرحت ا لله بیگ

Poetry :—

حسب نصا ب سام ۱۳۳۹ و سلم ۱۳۴۰ف

Etymology and Syntax :—

قوا عدا ردو مولفم مولوی عبد التحق صا حب کی مفا رش کیہجا تی ہے

عروض بیان اور بد یع سے معمو لی وا قفیت لا ز می ہے

Bhasha :—

(۱) هندی ا ردو ما لا مولفم هری هر شا ستری صا حب

(۲) با ل نبند ه ما لا (ا نڈ ین پریس ا لم ا با د)

MARATHI.

1339-1340 F. (1930-1931).

Prose :—

Shila and Nitimatta by Killedar. Utter Ramahcharitra, translated by Parshurampant Godbole.

Nibandhavali Grantha I, Essays No. VI, VII, & VIII (Vividha Jnana Vistar Office, 402, Thakurdwar, Bombay).

Poetry :—

Navanita (1918), all extracts of Vaman Pandit.

Drona Parva by Morapant Adhayas first four (Nirnaya Sagar Press, Bombay).

Grammar :—

Vyakaranavaril Nibandha, first 13 Lessons by Krishna Shastri Chiplunkar, (Chitra Shala Press, Poona City).

1341-1342 F. (1932-1933).

Prose :—

(1) Shila ani Nitimatta by K. L. Killedar. Naro Appaji Godbole, Budhwar, Poona City.

(2) Lalitakala Mimansa by Pl : G. C. Bhate. G. G. Adhikari 533, Poona City.

(3) Mricchakatika by G. B. Deval.

Poetry :—

Navanita :—(1) All extracts of Vaman Pandit.

(2) Nala Damayanti Swayamvara Khyan by Raghunath Pandit.

Grammar :—

Same as for 1341-1342

KANARESE.

1339-1340 F. (1930-1931).

Prose :—

Mudra Manjúsha by Kempularayam Shastri.

Poetry :—

Jaimini Bhárata, Sandhees, XIII to XVII both inclusive Niti Manjari by R. Narsimachar, from Stanzas 131-300.

Drama :—

Srimati Parinaya Nátaka by Pandit M. D. Alasing rachar, 2nd Edition.

Grammar :—

Halegannada Vyakarna Sutragalu (Basel Mission Press, Mangalore.)

1341-1342 F. (1932-1933)

Poetry :—

Jaimni Bharata Sandhis 18-21 Panchatantra—Mitra Sabha by Sitarama Shastri.

Drama :—

Vidyaranya Vijanya by D. V. Gudappa.

Prose :—

(1) Adventures of Telemachus by M. Venkata Krishnayya, Parts I & II.

(2) Kotichennayya by Mangesh Rao.

Grammar :—

Halegannada Vyakarana Sutragalu. Bassel Mision Press Mangalore.

* The books can be had of M. S. Rao and Co., Avenue Road Bangalore or Shankar Book Depôt, Malemaddi, Dharwar.

TELUGU.

1339-1340 F. (1930-1931).

Poetry :—

Intermediate Selections in Telugu—Madras University (1917 Edition). The following Selections :—

No. 41, Vali Vadha : Stanzas 165, Pages 417 to 434.

No. 43, Vibheeshana Saranagati, Stanzas 145, Pages 443 to 458.

Drama :—

Swapna Vasavadatta by Ch. L, Narsimha Garu, Rajahmandry.

Prose :—

Andhra Veerulu by Somasekha Sarma, Rajahmundry, Pages 102 to the end.

Seetadevi Vanavasamu. Sarasvatee Press, Rajahmundry. (The whole).

1341-1342 F. (1932-1933)

Poetry :—

Madras University Telugu Selections—

Selection No. 23—Pages 148-174—232 Verses

do	40—	,,	413-416— 32	,,
do	45—	,,	461-466— 50	:,

Drama :—

Malati by G. B. Rama Chandra Rao, B. A.

Prose :—

(1) Neeti Padavi, Parts II & III, by G. Sri Rama Sastri, Chittore.

(2) Kanchana Mala by T. Siva Shankar Shastri, Saravati Press, Rajahmundry.

ENGLISH HISTORY.

Green's Short History of the English People, 4 volumes and epilogue (Osmania University Series). (Till 1340 F.)

Ransome's Advanced History of England (Osmania University Series). (From 1341 F.)

Montague's Constitutional History of England, (Osmania University Series).

ISLAMIC HISTORY.

Amir Ali's History of the Saracens.

INDIAN HISTORY AND ADMINISTRATION.

(1) Sayyid Hashimi's Intermediate History of India, 4 vols. (Osmania University Series).

(2) Anderson's British Administration of India. (Osmania University Series).

EUROPEAN HISTORY (ANCIENT).

1. Bury's History of Greece, (Osmania University Series).

2. Pelham's Outlines of Roman History, (Osmania University Series).

EUROPEAN HISTORY (MEDIEVAL AND MODERN).

Thatcher and Schwill's History of Europe, (Osmania University Series).

ECONOMICS.

(1) Moreland's Introduction to Economics for Indian Students (Osmania University Series).

(2) Banarjee's Indian Economics, (Osmania University Series)

SOCIOLOGY.

No book is prescribed for the present. For detailed syllabus *vide* Appendix.

LOGIC.

Deductive and Inductive Logic, (Osmania University Scries)

PSYCHOLOGY.

Psychology by J. R. Angell.

PHYSICS.

(1) Gregory and Hadley's Class Book of Physics, Parts 1-6, (Osmania University Serics).

(2) Practical Physics for Intermediate Students, by Prof. Abdu Rahman Khan, 3 volumes (Osmania University Series)

CHEMISTRY.

The following books are recommended :—

1. Inorganic Chemistry by Alexander Smith (Osmania University Series).
2. A Class Book of Organic Chemistry by Cohen (Osmania University Series).
3. A Course of Practical Chemistry to be compiled by Dr. Muzaffaruddin Qureshi.

BIOLOGY.

The following books are recommended :—
Botany.

1. Lowson and Sahni's Text-Book of Botany.

2. Rangachariar's Practical Botany.
Zoology.

3. Elementary Zoology for Medical students by Borradaile

4. J. A. Thomson's Outlines of Zoology.

5. Marshall and Hurst's Junior Course of Practical Zoology.

MATHEMATICS.

The following books are recommended :—

1. Solid Geometry, (Osmania University Series).
2. Plane Geometry, (Osmania University Series).
3. Plane Trigonometry by Loney, Part I, (Osmania University Series).
4. Geometrical Conics by Cockshot and Walters, (Osmania University Series).
5. Higher Algebra, by Hall and Knight, (Osmania University Series).

THEOLOGY OR MORALS.

(*A*) Theology (for Hanafi students).

1. Rahmatul-lil-Alamin 1st Part (printed at Rose Bazar Press, Amritsar, (1916).
2. Tazkeratul Mustafa, from page 15 to page 86 printed at Aligarh, (1916).

(*B*) Morals (for Non-Hanafis and Non-Muslims)—
Hikmat-i-Amali, by Sajjad Mirza Beg.

B. A. EXAMINATION.

ENGLISH.

1339-1340 F. (1930-1931).

Detailed Poetry :—

Shakespeare—Macbeth.

The Golden Treasury (World's Classics Edition), the following selections :—

No. 5	The Passionate Shepherd to his love	..	Marlowe.
„ 18	To his love	..	Shakespeare.
„ 19	do ..	..	do
„ 23	True love	..	do
„ 24	A Ditty..	..	Sidney.
„ 29	Remembrance	..	Shakespeare.
„ 49	The Triumph of Death	..	do
„ 53	Prothalamion	..	Spenser.
„ 58	The Lessons of Nature	..	Drummond.
„ 66	Lycidas	..	Milton
„ 69	Death the Leveller	..	Shirley.
„ 71	On His Blindness	..	Milton.
„ 83	To Lucasta, on going to the Wars	..	Lovelace.
„ 109	To Blossoms	..	Herrick.
„ 110	To Daffodils	..	do
„ 188	When lovely woman stoops to folly	..	Goldsmith.
„ 142	Ode on the Spring	..	Gray.
„ 147	Elegy written in a Country Churchyard	..	do
„ 150	O my Luve's like a red, red rose	..	Burns.
„ 166	On first looking into Chapman's Homer	..	Keats.
„ 168	Love ..	..	Coleridge.
„ 173	She walks in beauty, like the night	..	Byron.
„ 177	The Lost Love	..	Wordsworth.
„ 180	A slumber did my spirit seal ..	..	do
„ 181	Lord Ullin's Daughter	..	Campbell.
„ 184	Love's Philosophy	..	Shelley.
„ 188	To the Night	..	do
„ 193	La Belle Dame Sans Merci	..	Keats.
„ 208	Ode to Duty	..	Wordsworth.
„ 209	On the Castle of Chillon	..	Byron.
„ 213	Milton! thou shouldst he living at this hour :	..	Wordsworth.
„ 225	The light of other days	..	Moore.
„ 227	Stanzas written in dejection near Naples	.	Shelley.
„ 228	The scholar	..	Southey.
„ 232	Elegy	..	Byron.
„ 235	The Death-Bed	..	Hood.

Detailed Prose :—

    Frederic Harrison—Selected Essays, Edited by Amarnath Jha, (omitting the Essays on Matthew Arnold and the Attic Drama).

    Sheshadri's Book of Modern Prose, (Oxford University Press)» omitting pieces by S. Butler and E. V. Lucas.

Non-Detailed :—

    Sheridan—Rivals.

    Thackeray—Henry Esmond.

English Literature :—

    Stopford A. Brook's Primer of English Literature, (Macmillan 1924 or later edition).

    An Outline History of English Literature by W. H. Hudson.

<div align="center">1341—1342 F. (1932—1933).</div>

1. *Detailed Poetry :—*

    (a) Shakespeare—Cymbeline.

    (b) The Golden Treasury—the following selections from Palgrave's Golden Treasury 1929, Edition :—

No.		
12	A Consolation	Shakespeare.
14	To me, fair friend, you never can be old	do
18	To his love	do
19	Do ..	do
23	True love	do
29	Remembrance	do
38	To his Lute	Drummond.
49	The Triumph of Death	Shakespeare.
53	Prothalamion	Spenser.
58	The Lessons of Nature	Drummond.
71	On His Blindness	Milton.
72	Character of a Happy Life	Wotton.
112	L'Allegro	Milton.
113	Il Penseroso	do
117	Ode on the Pleasure arising from vicissitude	Gray.
139	Ye flowery banks O'bonnie Doone	Burns.
140	The Progress of Poesy	Gray.
142	Ode on the Spring ..	do
147	Elegy written in a Country Churchyard	do
166	On first looking into Chapman's Homer	Keats.
177	The Lost Love	Wordsworth.
180	A slumber did my spirit seal	do
193	La Belle Dame Sans Merci	Keats.
200	Desideria	Wordsworth.
202	Elegy on Thyrza	Byron.
208	Ode to Duty	Wordsworth.

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No. 404 Nightingales .. .. .. Robert Bridges.

,, 405 In Memoriam F. A. S. .. .. R.L. Stevenson.

,, 413 The Lake isle of Innisfree .. .. Yeats.
,, 414 The folly of being Comforted .. .. do
,, 419 For the Fallen .. .. .. L. Binyon.
,, 424 Sea—Fever .. .. .. John Masefield.

,, 429 After Ronsard .. .. .. Charles Williams.

,, 430 The Soldier . .. .. Rupert Brooke.

2. *Detailed Prose* (1) " *Prose of To-day.*" Omitting the following :—

Abercromce	Empedokles.
Balfour.	Handle.
Doughty.	The Man with the Knife.
Grambam.	The Prayer Scratcher.
Hadow.	Fugue and Sonata.
Ker.	Sturla and Joinville.
Macnaghten.	Stone Ale.
Moore.	The Lake.
Yeats.	Amina Mundi.

(2) Sheshadri's Book of Modern Prose.

3. *Non-Detailed :—*

(1) Sheridan—Rivals.
(2) Selected English Short Stories (third series), (Oxford University Press), the following stories :—
1. The Old Nurse's Story.
2. The journey to Panama.
3. La Mere Bauche.
4. The Lady of Glenwith Grange.
5. Esther.
6. The Idyll of Red Gulch.
7. An Occurrence at Owl Creek Bridge.
8. Will O' the Mill. •
9. A Daughter of the Lodge.
10. The open Boat.
11. The Ghost Ship.
12. Life of Ma Parker.
(3) A Brief History of Civilization by Hoyland. (latest special edition for Muslim University).

4. *English Literature :—*
(1) Stopford A. Brooke's Primer of English Literature. (Macmillan 1924. or later edition).
(2) Outline History of English Literature by W. H. Hudson.

ARABIC.

1339—1342 F. (1930—1933).

Prose :—

(۱) مقامات تحریری - خطبہ ا ورمقامات چہا رم - لہر، -
سبزد ھم - نوز د ھم - بست و سوم - بست و ھفتم -

(۲) (الف) کتاب ابحا لالبحاخط (-نمبر۳۹۱۳ وسنہ۱۳۳۰ کو لکھے)

(ب) رسائل البحا خط (سنہ ۱۳۸۱ و سنہ ۱۳۳۲؛ف
کو لکھے)

Poetry :—

(۱) الحماسہ — باب الحماستہ (مکمل)

باب المراثی—ابتدائی   ۱۵۰ اشعار

باب التسیب —ابتدائی(۱۵۰) اشعار— ابتد اا ز کلام
عبد اللہ بن د سینم ع الا یاصبا نجد مرتی ھیجت من نجد

(۲) سبعہ معلقہ - امرء القیس - ز عدیر- عمر و بن کلثوم -

(۳) متنبی — حسب ذیل ۷ قصاید

(۱) لکل امرء من دھرہ ماتعود ا - الخ

(۲) علی قد راھل العزم تاتی العزائم - الخ

(۳) عد و ک مذ موم بکل لسا ن - الخ

(۴) اریقک ام ماء لغمامۃ ام خمر - الخ

(۵) لای صر وف الد ھر فیہ تعا قب - الخ

(۶) انا منک بین نضا گل و مکا ر م - الخ

Non-Detailed :—

العبرات مولفہ مصطفی لطفی منفاوطی (مصر) تا صفحہ۔(۱۷۰)

Rhetoric & Prosody :—

اتفا بات از کتا ب علم الا ۃ بمولفہ لویس شیخو حصہ اول
(مطبوعہ عہ بیروت)

History of Literature :—

حسب ذیل کتابکے مطالعہ کی سفار ش کیجاتی ﮨﮯ :—

عر بک لیٹر یچر (اد ب عربی) ایچ - اے - آر - گب (مطبوعہ
جا معہ آ کسفورڈ)

Etymology & Syntax —

مبادی العربیہ مولفہ رشید الشرتونی مطبوعہ بیروت
جزء ثالث

SANSKRIT.

1339—1340 F. (1930—1931).

Prose :—
1. Malati—Madhava by Bhavabhuti (Bombay Sanskrit Series) Dr. Bhandarkar's Edition.
2. Kadambari—Purva Bhaga from " Asitcha-Me Manasi " Antahpuram Ayasit pp. 21-45, paras. 29-60 (both inclusive,) P. V. Kane's edition, Augre's Wadi, Bombay.

Poetry :—
3. Rigveda Selections, Hymns I-XV, (Bombay Sanskrit Series, XXXVI Peterson's Edition).
4. Kavya Prakasha of Mammata by P. P. Joshi, (The Oriental Publishing Co., Girgaon, Bombay) chapter on Arthalankar.

Grammar & Translation :—
5. Apte's Guide to Sanskrit Composition, the 1st 20 Lessons, together with 29th and 30th Lessons.

Rapid Reading :—
6. Sanskrit Course of Reading, Part II by L. G. Lele, Poona City.

History of Literature :—
7. History of Sanskrit Literature by A. McDonell, Chs. IX-XVI (both inclusive).

1341—1342 F. (1932—1933).

Prose :—
1. Malati—Madhav by Bhavabhuti (Bombay Sanskrit Series Bhandarkar's Edition).
2. Kenopanishat with the commentry of Shankaracharya.

Poetry :—
3. Rigveda Selections, Hymns I to V (Bombay Sanskrit Series, XXXVI Peterson's Edition),
4. Kavya Prakasha of Mammata by P. P. Joshi. (The Oriental Publishing Co., Girgaon, Bombay) chapter on Arthalankar.
5. Tarka Sangraha by Annam Bhatta.

Grammar and Translation :—
6. Apte's Guide to Sanskrit Compostion, the 1st 20 Lessons together with 29th and 30th Lessons.

Rapid Reading :—
7. Sanskrit Course of Reading Part II by L. G. Lele, Poona City.

History of Literature :—
8. History of Sanskrit Literature by A. McDonell, Chapters IX-XVI (both inclusive).

PERSIAN.
1339 and 1340 Fasli.

Poetry :—

Sadi Shirazi—Radif Ta, the following 15 Ghazals :—

از طبیات

(۱) آن ماه د و هفتم د رنقا ب ست

(۲) ا ر هر چہ میرود سخن د و ست خوشتر ست

(۳) ایکسوت زیبائی برفا مت چالا دت

(۴) این توی یا سرو بستانی بر فتا ر آ مد ست

(۵) ا فسوس بر ان دید ه کم رو ے تو ند ید ست

(۶) ایکم گفتی هیچ مشکل چون فرا ق یا ر نیست

(۷) ای جا ن خرد مند ان گویی خم چو ما نت

(۸) چو ملک گد ایان بجوان ممالکتی نیست

(۹) هوش میروی بہ تنها فد ا ئے جا نت

(۱۰) کس ند ا نم کم د رین شهر گرفتا ر تو نیست

(۱۱) مشنوا ید و ست کم غیرا ز تو مرا یا ر ے نیست

از بد ا یع

(۱۲) آب حیا تے نم جز خا ک سر کوی د و ست

(۱۳) انرا کم جا ئے نیست همم شهر جا ے ا و ست

(۱۴) ای پیک پے خجستم کم دا ری نشا ن د و ست

(۱۵) مگر نسیم سحر بو ے ز 'ف یا رمن است

Radif Dal, the following 15 Ghazals.

از طبیا ت

(۱) د رخت عنچم برآ ور د و بلبلا ن مستند

(۲) شوخی 'مکن اید و ست کم صا حب نظرا نند

(۳) شرف مرد بجو د ست و کرا مت بسجود

(۴) آن کیست کا ند ر رفتنش صبرا ز دل ما می برد

(۵) طرفم مید ا رند یا ر ان صبر من برد اغ و درد

(۶) آ ن بہ کم نظر با شد و گفتا ر نبذا شد

(۷) آ ن سرو کم گویند بیا لا ے تو ما ند

(۸) ای سا ربا ن آ هستم ر ان کا را م جا نم میرو د

(۹) شب عا شقا ن بیدل چم شب د را ز با شد

(۱۰) کم بر گز شت کم بو ے عبیر می آ ید

(۱۱) نظر خدا ے بینا ن ز سر هوا نبا شد

ازبد ایع

(۱۲) قرا خود یکزمان با ما سرصحرا نمی با شد

(۱۳) سروے چو می با ید تا با غ بیا ر آ ید

(۱۴) شیرین د ها ن آ ن بت عیا ر بنگرید

(۱۵) مگر نسیم سحر بوے یا رمن دا ر د

Naziri Naishapuri—from the beginning of Radif Dal to the
end of the Ghazal beginning with the couplet :—

هوا ے کوئی ا و آ وا ره ا م از خا نه می سا ز د

فسون ا و پد ر را ا ز پسر بیگانه می سا ز د

Anwari—the following Qasaid :—

(۱) ا ین کم می بینم به بیدا ریست یا ر ب یا بخوا ب

(۲) چون وقت صبح چشم جها ن سیر شد ز خوا ب

(۳) اے ترک مگے بیا ر کم عید ا ست و بهمن ا ست

(۴) سا قی بیا کم وقت مگے لعل روشن ا ست

(۵) خوشا نوا حی بغدا د جا ئے فضل و هنر

(۶) جرم خورشید چون از حوت د ر آ مد به حمل

Zahir Faryabi—the following Qasid :—

(۱) سپید ه دم چو شد م محرم محرا ئے سرور

(۲) شرح غم تو لذت شا دی بجا ن د هد

(۳) مه از د ست هنر ها ئے خویشتن فریا د

(۴) گیتی ز فرد ولت فرما ند ه جها ن

(۵) گفتار تلخ از ا ن لب شیرین نم د رخور ا ست

(۶) ز ا ن زلف عنبر ین کم بگل بر نها د ه

Firdausi—Shah Nama :—

رزم کا موس با یاوس وگبو تا ا خذتا م نبرد رستم با ا شکبوس

و کشتن شد ن ا شکبوس

Masnavi Maulana Rum :—

د فترا ول از ا بتدء تا آ غا ز بیا ن '' کشتن و ز هر دا د ن

مرد ز ر گر را ''

Prose :—

Sih Nasr-i-Zuhuri—Nasri-Awwal.

Abul Fazal :—

د فترا ول نصف ا ول تا آ خر تا مهحضرت شهنشا هی بشر فائی

کرا م مکم معظم

د فترد وم - ا ز آ غاز رقم بنا م فیضی تا آ خر د فتر

Akhlaq-i-Nasiri—Maqala-i-Awwal—Qism-i-Duvam, first five Fasals.

Safar Nama-i-Shah Nasiruddin Qachar, Safar-i-Awwal from the beginning to page 60 (Anwar Ahmadi Press, Allahabad).

Non-Detailed :—

Kimiya-i-Saadat—Rukn-i-Suvam, Asli-Awwal, and Asl-i-Suvam.

Sarguzasht Mard-i-Khasis.

Grammar :—

No book is prescribed. General questions will be set on Rhetoric and Prosody.

Elementary Arabic :—

Qazi Mir Ahmad Shah Rizwani's Arabic Reader, I & II.

1341—1842 F. (1932—1933).

Poetry :—

(۱) سعدی — حسب ذیل ۱۵ غزلین ردیف " ت "

از طبیعات

(۱) ایں ماہ و و هفتم در نقاب ست
(۲) از هر چہ مبرود سخن دوست خوشتر ست
(۳) ای کسوت زیبای بر قامت چالاکت
(۴) این توی یا سرو بستانی بر قتا ر آمد ست
(۵) افسوس بر ان دید ه کہ روے تو ندید ست
(۶) ایم گفتی ہیچ مشکل چون فراق یار نیست
(۷) ای جان حرد مند ان گوئی خم چوگانت
(۸) چون ملک گدا یان بجهان مملکتی نیست
(۹) حوش میروی بہ تنها تنہا فد ا ے جانت
(۱۰) کس ند انم کہ درین شہر گر فتار تو نیست
(۱۱) مشنوا ید وست کہ غیر از تومرا یارے هست

از بدایع

(۱۲) آب حیاتے نم جز خاک سر کوی دوست
(۱۳) آنرا کہ جاے نیست هم, شہر جاے اوست

(۱۴) ای پیک پے خجستم کمد ازی نشان دوست

(۱۵) مگر نسیم سحر بوے زلف یار من است

حسب ذیل ۱۵ غزلیں ردیف "د"

ازطبیات

(۱) درخت غنچم بر اورد و بلبلان مستند

(۲) شوخی عکس اید و ست کم صاحب نظرا نند

(۳) شرف مرد بچوست و کر امت بسجود

(۴) آن کیست کاند رفتش صبر از دل مامی برد

(۵) طرف م مید ارند یاران صبرمن برد ا غو درد

(۶) آن بم کم نظر با شد و گفتا رنم با شد

(۷) آن سر و کم گوبیند بیا لا ے تو ما بد

(۸) ای ساربان آ هستم ران کارام جانم میرود

(۹) شب عاشقان بیدل چم شب دراز با شد

(۱۰) کم بر گذشت کم بوے عبیر می آید

(۱۱) نظر خدا ے بینا ن ز سر هوا نبا شد

ازبد ایع

(۱۲) ترا خود یکز مان با ما سر صحر انمی با شد

(۱۳) سروے چو تو می با ید تا با غ بیا ر آید

(۱۴) شیر ین د ها ن آ ن بت عیا ر بنگر ید

(۱۵) مگر نسیم سحر بوے یا ر من دارد

نظری نیشا پوری ۲۲ غزلیات از ابتداے ردیف 'د' تا ختم غزل جسکا مطلع ہے -

هواے کوے او آواره ام ازخانم می سازد
فسون او پدر را از پسر بیگا نم می سازد

انوری : حسب ذیل قصاید :--

(۱) این کم می بینم بم بدہ ا ریست یا رب یا بخوا ب

(۲) چون و قت صبح چشم جہان سیر شد ز خوا ب

(۳) اے ترک می بیا رکم عید ا ست و بهمن است

(۴) ساقی بیا کم و قت می لعل ر و شن است

26

(۵) خو شا نو ا حی بغنا د جا ے فضل و هنر

(۶) جرم خو رشیدچو ا زحوت د ر آ ید بہ حمل

ظهیر فا ریا بی حسب ذ یل قصا ید :—

(۱) سپید ه د م چوتد م مهرم سرا ے سرو ر

(۲) شرح غم تولذت شا د ی بجا ن د هد

(۳) مرا ز د ست هنر ها ے خو یشتن فریا د

(۴) گیتی ز فرد ولت فرما ند ہ جها ن

(۵) گفتا ر تلخ زا ن لب شیریں نہ د رخورا ست

(۶) زا ن زلف عنبریں کم یگمل برنها د ؤ

شا ہ نا مم :—

رزم کا موس باوس و گیوتا ا ختتام نبرد رستم با ا شکبوس
و کشتم شد ن ا شکبوس —

مثنوی مو لا نا روم -

د فتر ا ول ا ز ا بتد ا تا آ خر بیان '' کشتن و زهر دا د ن
مرد ز رگر را ''

Prose :—

(۱) سم نثر ظهوری - نثر ا ول

(۲) ا بو ا لفضل دفتر ا ول ندف ا ول تا ا خر نا مم حضرت
شہنشا ہی بہ شا ہ عباس و الی ا یرا ن

د فتر د وم - ا ز ا بتد ا ے ر قعم بنا م سلا لتم ا لکرا م حکیم
همام تا آ خرر قعم بہ میر شریف آ ملی

(۳) لسا ن ا لعجم مولفم میر ح- ن علی حصم د وم-نثر با ب ا ول

(۴) ر هبر نثر ا د نو-نگا ر ش حسین کا ظم زا دہ مطبو عم ا یرا ن شہر

Non-Detailed :— (۸۶ — ۱) بر لن

(۱) ا خلا ق کا شفی مطبو عم ا نوا ر آ حمدی پریس
ا لہ آ با د

(۲) سیا حت نامم ا براهیم بیگ ا ز ا بتد ا تا آ خر
سیا حت طہرا ن

Rhetoric & Prosody :—

حد ا ئق ا لبلا غت میں سے علم بیا ن و بدیع و عر وض کے تفصیلی
مبا حث سے و قفیت لا ز م ہے —

History of Persian Literature :—

(۱) پرشین لٹریچر (فارسی ادب) از لیوی
(۲) تاریخ ادبیات ایران از براؤن :—
جلد اول-باب اول - دوم - سوم - چہارم - ہفتم
ہشتم - نہم - یازدہم - چہاردہم
جلد دوم - باب اول - دوم - چہارم - ششم - ہشتم
نہم -

Elementary Arabic :—

الطریقہ المبتکرہ لتعلیم القراءۃ العربیہ-تالیف ابراہیم زیدان
الجزء الثانی مطبوعہ مصر

<div align="center">URDU.</div>

<div align="center">1339—1342 F. (1930—1933)</div>

Prose :—

(۱) مقالات شبلی ۔ باستثنائے مضامین (۱) ملل و نحل
اور ابن حزم (ب) ابن رشد نمبر ۱ و ۲ (ج) معتزلہ
و اعتزال (د) منطق یونانی کی غلطیاں
(۲) کتب خانہ اسکندریہ - شبلی
(۳) اردو معلے - غالب
مطالعہ سرسری :—
آب حیات
تنقید :—
(۱) مقدمہ حالی (۲) موازنہ انیس و دبیر (۳) یادگار غالب
(پہلا حصہ جس کا تعلق اردو کلام سے ہے)

Poetry :—

(۱) انتخاب کلام میر مولفہ مولوی عبدالحق صاحب
بعذف حصص شریک امتحان انٹر میڈیٹ ۔
(۲) دیوان حالی بعذف حصص شریک امتحان انٹر میڈیٹ ۔
(۳) دیوان غالب بعذف غزلیات شریک امتحان انٹر میڈیٹ ۔
(۴) بانگ درا حصہ اول ۱۹۵۷ اشعار - ان غزلیات
اور نظموں کو چھوڑ کر جو بچوں کیلئے لکھی گئی ہیں ۔

Rhetoric & Prosody :—   ؛

کوئی کتاب مقرر نہیں ہے عام سوا لات کئے جا ئینگے -

Hindi Bhasha : —

نثر - کا د م بری (ا نڈین پریس ا لہ آ با د)

نظم - بها شا سا ر سنگر ہ حصہ ا ول - حصہ نظم

ا ز ۹۳ تا ۲۳۱ صفحات (ا نڈین پر یس ا لہ آ با د)

<div align="center">

MARATHI.

1339—1340 F. (1930—1931).

</div>

Prose :—

1. Nitimuktahar by T. K. Pitre, published by T. J. Gurgar, Bombay.

2. "Me" by H. N. Apte. K. B. Dhavle, Bombay.

Poetry :—

Vamanas Nama Sudha edited by Bhide, (Nirnaya Sagar Press, Bombay).

Arthalankarache Nirupana by V. V. Bhide, (Chritrashala Press, Poona City).

Morapant's Brihaddasham Uttarardha, Chapters, 50, 51, 52, 53, 54 and 55.

Books recommended for reading (as far as they refer to books prescribed).—

Marathi Bhashechi Ghatana by R. B. Joshi, 2nd edition pp. 351-513.

Morapant's Life by Pangarkar.

Vaman Pandit's Life by B. A. Bhide.

<div align="center">

1341—1342 F. (1932—1933).

</div>

Prose :—

Essays :—Nitimuktahar by T. K. Pitre T. J. Gurjar, Bookseller Bombay (2).

Fiction :—" Me " by H. N. Apte.

K. B. Dhavle, Bombay (4).

Poetry :—

1. Samaraja Virachita Rukmini Harana —chapters first five only. Edited by Prof. G. V. Tulpule, 844, Poona City Sadashiv.

2. Ganga varnana by Chintamani Petkar. 12 Budhawar, Poona City.

3. Kavyadosha Dipika by G M. Gore, B. A. Head Master
Amraoti.

Books recommended for reading (with reference to the text only).

1. Marathi Bhashechi Ghatana :—

With paper I. Prose.	Arvacheen Padya Vangmaya by B. R. Joshi, 6 Narayan Peth, Poona City. 2. V. V. Vistar Nibandha Grantha I. Essay VI, 402 Thakurdwar Bombay (2). 3.Haribhau Apte Yanchya Athavaniani Kadambarya by V. N. Deshpande Bapat Bros., Poona City.
II. Poetry	4. Maharashtra Saraswat byBhave Ed. I, Chapters XV & XVI (Vaman, Vithal and Nagesh.)

KANARESE.

1339—1340 F. (1930—1931).

Prose :—

1. Rajá Malaya Simha, Part I by M. A. Sreenivanasa Charya (Commercial Agency, Malleswaram, Bangalore).

2. Ramaswamedha by Muddannakavi.

Poetry :—

1. Rajasèkhara Vilása, I Asvás, Stanzas 100.

2. Kabbigara Káva by Andayya Karnataka Kavyakalanidhi edition, (the whole).

Drama :—

1. Chandakausika Nataka by Basappa Sastri.

Grammar :—

Sabdamani Darpana by Kesi Raja.

Rhetoric & Prosody :—

The following books are recommended :—

(1) Nágavarama Chándas,
(2) Chandombudhi by Nágavarma.
(3) Kavi Rajamarga of Nripatunga.

Literature :—

Introductions to Vols. I and II of Karnataka Kavi Charitre, by R. Narsimacharya, including the lives of the well-known authors of the 17th Century.

1341—1342 F. (1932—1933).

Prose—Raja Malavasimha Part II.

Ramaswamedha Aswasas 1 to 6.

Poetry —Yasodhara Charitre by Janna 150 Stanzas.

　　　　Santipurana by Ponna, 100 Stanzas.

　　　　Ramchandra Charitra Purana by Abbinavapampa-Karnataka, Santya Parishat Edition, First Aswasa.

Drama —Aswatthaman by B. Srikanthayya.

　　　　Bhaeshnnataka by Bharadwaja, Basavanagudi,
　　　　Bangalore.

Prosody & Grammar—Nandichandas.

Rhetoric—Vachasvasastrasara.　Part I, by Hallakotti.

　　　　Dharwar Nataka Kale by Atmarama Sastri.　Andermane Bhasha Shastra by Tatachara and Kannada Kaipidi, Parts I and II.

Literature —Narasimhachar's History of Kanarese Literature introduction Parts, I, II, and III with Authors of 13th and 14th centuries.

N.B.—These books can be had of either : —

　(1) M. S. Rao & Co., Avenue Road, Bangalore.

or

　(2) Shanker Book Depot, Malmaddi, Dharwar.

TELUGU.
1339—1340 F. (1930—1931).

Prose :—

　1. Tales from Sanskrit Dramatists by Ch. Seetarama Shastri Vavilla Ramaswami Sastri & Sons, Esplanade,Madras.

　2. Prabhavathi Pradyumnamu by S. V. Rangachari, Mambalam, Saidapet, Madras.

Poetry :—

　Intermediate Selections of the University of Madras—

　　　　No. 18,, pages 120 to 130, 81 stanzas.
　　　　No. 49, 　,, 　 506 to 519, 93 　,,
　　　　No. 56, 　,, 　 580 to 587, 54 　,,
　　　　No. 27, 　,, 　 266 to 279, 123 　,,

Drama :—

　Mihiranda Bharati (Tempest rendered into Telugu) by R. V. Somayajulu.

History of Literature :—

　From the beginning up to 1530 A. D. (No book is prescribed).

Rhetoric and Prosody :— ..

　Kavyalankara Choodamani by Vinnakota Peddanna, Cantos V and VI.

1341—1342 F. (1932—1933).

Poetry :—

Madras University Selections.

Selection No. 7   ..   ..   .. 63 Stanzas.

     Do   8   21   do

     Do   27 123   do

     Do   51   68   do

     Do   53 106   do

Drama :—

Miheranda Bharati by R. V. Somayajulu, Professor Nizam College.

Prose :—

1. Tales from Sanskrit Dramatists by Ch. Seetaram Shastri, Vavilla Ramaswami Sastri & Sons, Esplanade, Madras.

2 Prabhavathi Pradyumnamu by S. V. Rangachari, Mambalam, Saidapet, Madras.

3 Foreign Travellers and Andhra Desa by B. Venkat, Krishna Rao, B.A., B.L., Rajahmundry—

History of Literature.   { From the beginning up to 1530 A.D. (No. book is prescribed).

Rhetoric & Prosody.   { Kavyalankara Choodamani by Vennakota Peddanna, Cantos 5 and 6.

PHYSICS.

The following books are recommended :—

(1) Duncan and Starling's Text-book of Physics, (Osmania University Series).

(2) Allan and Moore's Practical Physics, (Osmania University Series).

(3) A course in Mathematics for Physics students, compiled by Professor Abdul Rahman Khan.

CHEMISTRY.

The following books are recommended :—

(1) Inorganic Chemistry by Patington.   (Osmania University Series).

(2) Inorganic Chemistry from the stand-   (Osmania Uni-
    point of periodical System by   versity Series).
    Cavan and Lander.

(3) Introduction to Physical Chemistry by   ,,
    Walker.

(4) Theoretical Organic Chemistry by Cohen.   ,,

(5) Outlines of Chemistry by Fenton   ,,

(6) Practical Chemistry by Bruce and Harper   ,,

(7) Practical Organic Chemistry by Cohen   ,,

MATHEMATICS.

The following books are recommended :—

(1) Higher Algebra by Hall and Knight   (Osmania Uni-
                                             versity Series).

(2) Plane Trigonometry by Loney, Part II.   ,,

(3) Co-ordinate Geometry by Grace & Rosenberg   ,,

(4) An Elementary Treatise on the Calculus by
    Gibson.

(5) Chapters on Differential Equations from
    Edward's Integral Calculus.   " ,,

Applied Mathematics—

(1) Elements of Statics by Loney.   ,,

(2) Elements of Dynamics by Loney.   ,,

(3) Elements of Hydrostatics by Loney.   ,,

(4) Elements of Astronomy by Parker.   ,,

HISTORY.

1339—1340 F. (1930—1931).

The following books are recommended :—

PAPER I.—Political Science.

Leacock : Elements of Political Science   (Osmania Uni-
                                             versity Series).

Gettel : Introduction to Political Science
Garner : Elements of Political Science
Gilchrist : Principles of Political Science
Pollock : History of the Science of Politics   ,,
Jenks : History of the Science of Politics   ,,

PAPER II.—Economics.

Indian Economics by Prof. Md. Elias Burney   ,,

Usul-i-Maashiyat by Prof. Md. Elias Burney   ,,

PAPER III—English Constitutional History.

Chambers : Constitutional History of England (O.U. Series).
Marriot : English Political Institutions. „
Maitland : Constitutional History of England.
Adams : Constitutional History of England.

PAPER IV—Indian History (Medieval Indian History, 1526-1764)

Aini Akbari   (Osmania University Series).
Akbar by Von Noer.
Tarikhi Farishta   (Osmania University Series).
Mantakhabul Lubab (Khafi Khan).
Aurangzeb Alamgir (Shibli).
Sher Shah (Qanungo).
Jehangir (Beni Pershad).
Rise of the Mahratta Power (Ranade.)
India on the eve of the British Conquest (Owen).
Studies in Moghal India (Sarkar).
Moghal Administration (Sarkar).

PAPER V—General.

(*i*) *History of the Deccan*, (1526-1764)

In addition to the books recommended for Indian History
under paper IV, the following books are recommended :—

• Aurangzeb by Prof. J. Sarkar.
Selections from Elliot and Dowson.
• Bernier's Travels.
History of Deccan, Vol. I by Gribble.

(ii) *Elements of the Cultural History of India.*

(a) 1526—1764.

Studies in Mughal India (Sarkar).

Mughal Architecture (Selection from Fergusson's Eastern and
Indian Architecture).

Promotion of Learning during Muhammadan Rule (N.Law).

(b) 1764 to the present day
Progress of Learning during British Rule. (N.Law).

(iii) *The Government of the British Empire.*

England—Bagehot : English constitution.
Sidney Low : Government of England.

Colonies—Lowell : Government of England.
Ridges : Constitutional Law of England.

India— Ilbert : Historical Introduction to the Government
of India.
Horne : Political System of British India (Osmania
University Series).
Kale : Indian Administration.

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PAPER VI—Special Periods.

1. Islamic History, for 1929 (1338 F.)　The Omayyads (Western); for 1930 (1339 F.) (1) The Abbasides (excluding the Suljukis.) :—

Spanish Islam by Dozy.

نفح ا لطابب

ا خبا را ند لس سم جلد - مر تبم مو لو ى خليل ا لر حمن

خلا فت مو حد ين - متر جمم مو لو ى محمد نعيم ا ا لر حمن

مو لد ين - متر جمم مو لو ى خليل ا لر حمن

تا ريخ مغر ب - متر جمم هو او ى جميل ا لر حمن

جغر ا فيم ا ند لس - مو ء لفم مو او ى محمد عنا يت ا لله

2. Ancient Europe—(Rome, Augustus to Diocletian 31 B. C. to 287 A. C.).

Merrivale—History of the Romans under the Empire.

Bury—Students Roman Empire.

Gibbon—Decline and Fall of the Roman Empire, Vol. I.

3. Modern Europe—(Accession of Louis XV to the Abdication of Napolean, 1715—1815).

General Dyer and Hassal : Modern Europe, parts dealing with the period.

Reich : Foundations of Modern Europe.

1715-1789—Hassal : Balance of Power (Osmania University Series).

1789—1815—Stephen : Revolutionary Europe (Osmania University Series).
　　　Acton : Lectures on French Revolution.
　　　Fisher : Bonapartism.

　　　Atlases for reference :—
　　　Cambridge Modern History Atlas.
　　　Putzger—Historischer Schulatlas.
　　　Rothert—Karten and Skizzen.

1341—1342 F. (1932—1933).

The following books are recommended :—

PAPER II.—Political Science.

Same as for 1339—1340.

PAPER III.—Economics.

Same as for 1339—1340,

PAPER IV—Indian History (*i*) Medieval Indian History, 1526-1764
(for 1931).

1. Tarikh-e-Farishta (Portion dealing with the course).
2. Muntakhabul Lubab (Selections given in Elliot and Dowson).
3. Sher Shah (Qanungo).
4. Akbar (Malleson, Rulers of India Series).
5. Jehangir (Beni Pershad).
6. Alamgir (Shibli).
7. The Army of the Moghals (Irvine).
8. India on the eve of the British Conquest (Owen).

(*ii*) Modern Indian History, 1764 to the present day. (for 1932 and 1933).

1. Dupleix and Clive (Dodwell).
2. Political History of India, Vol. I. (Malcolm).
3. Making of India (Ramsay Muir).
4. Warren Hastings (Rulers of India Series).
5. Lord Dalhousie (R. I. S.)
6. Economic History of India (Dutt).
7. Montague-Chelmsford Report on Indian Constitutional Reforms, Part I, " The Material."

PAPER V—General :—

(1) *History of the Deccan.*

1526—1764. (for 1931)

Selections from Sarkar's Aurangzeb.
Gribble : History of the Deccan.
Sarkar : Sivaji and his times.
Tarikh-e-Farishta.

<div dir="rtl">تا ریخ د کن (سلسلم أ صغیم)</div>

1764 to the present day (for 1932 and 1933).

Malcolm's Central India.
Bilgrami and Wilmott's Historical and Descriptive account of the Nizam's Dominions Vol. I.

(2)—*Cultural History*—

1526—1764 (for 1931)

Studies in Mughal India (Sarkar).
Mughal Architecture (Selection from Fergusson's Eastern and Indian Architecture).
Promotion of Learning during Muhammadan Rule (N. Law).

1764 to the present day. (for 1932 and 1933)
Progress of Learning during British Rule.
(3) *The Government of the British Empire.*

Same as for 1339—1340.

PAPER VI. Special subjects (only one to be taken)
1. English Constitutional History :—
Chambers : English Constitutional History (O. U. Series)
Adams : English Constitutional History (O. U. Series)
2. Islamic History.

Spanish Islam by Dozy.

نفم ا لطايب
ا خبا را لا ند لس سم جلد - متر جمم مو لوى خليل ا ا ر حمن صا حب
خلا فت مو حد ين - متر جمم مو لوى محمد نعيم ا ا ر حمن صا حب
مولد ين - متر جمم مو لوى خليل ا ا ر حمن صا حب
تا ريخ مغرب - متر جمم مو لوى جميل ا ا ر حمن صا حب
جفرا فيم ا ند لس - مر لفم مو لوى عنا يت ا لله ما حب

3. Ancient Europe—(Rome, Augustus to Diocletian 31 B.C.
to 287 A. C.)

Same as for 1339—1340.

4. Modern Europe—(Accession of Louis XV to the Abdication
of Napolean (1715—1815).

Same as for 1339—1340.

PHILOSOPHY.

The following books are recommended :—
(1) Introduction to Philosophy by Kulpe or Jerusalem.
(2) The Problems of Philosophy by Russell.
(3) A Primer of Philosophy by Rapport.
(4) A Short History of Philosophy by Alexander.
(5) A History of Philosophy by C. C. J. Webb.
(6) Berkley's Principles of Human Knowledge, (Printed
by Dar-ul-Musannifin).
(7) Outlines of Indian Philosophy by Srinivasa Iyengar.
(8) Outlines of Indian Philosophy by Deussen.
(9) The Philosophy of Ancient India by Garbe.
(10) Philosophy in Islam by De Boer.
(11) Arabic Thought by Dr. O'Leary.
(12) Text-book of Psychology by W. James.
(13) Psychology by Woodwarth.
(14) Stout's Groundwork of Psychology, (Osmania University Series).
(15) Ethical Principles by Seth.
(16) Mackenzie's Manual of Ethics, (Osmania University Series).

MUSLIM THEOLOGY AND MORALS.

(A) Theology (for Hanafi students) :—
Aqaid—the following syllabus is prescribed :—

مذہب

ا اسکی عام حقیقت غرض و غایت ۔ مذہب کا علوم عقلیہ یعنی
حکمت (سائنس) اور فلسفہ سے تعلق ۔ فلسفہ مسالک مادیت کا اثر
مذہب پر ۔ مسالک مادیت کے سمجھنے کیلئے خود مادہ ء
پر بحث ۔ دین فطرت یعنی اسلام ۔ یورپ سے مذہب کے اثرات
کیوں گھٹ رہے ہیں ۔

وجود باری اور اسکے یقین کے اسباب ۔

خلق عالم ۔ خالق و مخلوق کا باہمی تعلق ۔ ربوبیت
و قیومیت کے مظاہر ۔ توحید ۔ صفات ۔

روح و ملائکہ —

روح کی حقیقت ۔ اسکے احوال و آثار ۔ اس کی بقا۔
ملائکہ کی حقیقت پر بحث ۔ جن و شیاطین کی حقیقت۔

رسالت ۔

نبوت کی حقیقت ۔ اسکی ضرورت وغایت ۔ رسول کی پہچان
اسکی تعلیم و کتاب ۔ معجزات اور اسکے لوازم 'حق' امکان' وجود'
شہادت اسکا دلیل نبوت ہونا ۔ وحی ۔ الہام عموم نبوت
محمدیہ ۔ ختم نبوت ۔ فسخ ادیان ۔ ۔ خلافت الہیہ ۔

معاد ۔

سزا و جزا ۔ عذاب قبر ۔ قیامت ۔ جنت و دوزخ

تقدیر ۔

جبر و اختیار ۔ خیر و شر

شریعت و طریقت

کلام مجید واحادیث پر انکی بناء ۔ اختلافات کی نوعیت ۔
اس نصاب کیلئے حسب ذیل کتب کی سفارش کیجاتی ہے لیکن
اگر ان میں کوئی عقیدہ اہل سنت کے عقائد مسلم کے خلاف
ہو تو پروفیسر متعلقہ اسکے متعلق ضروری ہدایت دیدیگے:—

حجۃ الاسلام

دین و دانش

حکمت اسلام میں مصنفہ پروفیسر عبدالقدیر صاحب
الکلام مولانا شبلی

عقلیات و مذہب

(B) Morals (For Non-Hanafis and Non-Muslims).

Mackenzie's Ethics (Osmania University Series).

M. A. EXAMINATION.

ARABIC.

1339-1340 F. (1930-1931.)

نثر تاریخی ـ

(۱) سیرۃ ابن هشام۔ ذکرما ابتدا گی به النبی صلعم ای نزول
ولقد استهزی برسل من قبلک اخر الجزء لخامس ۔
از صفحہ (۱۵۱) تا صفحہ (۳۹۳) (طبع یورپ)
نوٹ ۔ طالب علم کوچاہئے کم پوری کتاب کامطالعہ کرے

(۲) المسعودی۔ مروج الذهب ۔ ازباب المابعوا لثلاثون
ذکرتاد و ملوکها ۔ تا باب الحادی والستون ۔

نثر غیر تاریخی ـ

(۱) کتاب البیان والتبیین من خطب النبی صلعم نی
آخرا نجزء الاول صفحہ ۱۹۳ سے آخر جزء تک ۔

(۲) مقدمہ ابن خلدون ازابتدا تا فصل الثانی
فی العمران الابدوی (بعذف حصہ جغرافیہ)

(۳) المبرد ۔ پہلے (۱۲) باب (یورپ کی اشاعت کے سوصفحے)
نوٹ ۔ طالب کوچاہئے کم اس کتاب کاپورا مطالعہ کرے

نظم ـ

(۱) معلقات (لبید ۔ طرفہ ۔ عنترہ ۔ حارث بن حازہ)

(۲) لامیتہ العرب للشنفری

(۳) دیوان ابی تمام سے حسب دیل دس قصاید :۔

(۱) السیف اصدق انباء من الکتب ۔

(۲) اهن عوادی بوسف وصواحبہ

(۳) فدنابت الجزع مزاروی تم العقب

(۴) الحق ابلج رالسیوف عوار

(۵) ما انۃ لولا الخلیط المودع

(۶) ما عہد ناکذ ابکاء المشوق

(۷) فحواب عین علی نجواب یامذل

(۸) غدا المالک معمور العرو المنازل

(۹) ارض مصر دتہ واخری تثجم

(۱۰) ما للد موع تروم کل مرام

زحو تنقیذ و عروض و بلاغت —

(۱) لمفصل للزمخشری- القسم الاول (طبع یورپ - صفحات ۱ تا ۱۰۸)
(نوٹ - طالب العلم کو چاہئے کہ اس کتاب کا پورا مطالعہ کرے)

(۲) العمدۃ لابن الرشیق - الجزء الاول تا صفحہ ۱۹۰ -
باستثناء اوزان وقوافی -
(نوٹ - طالب علم کو اس کتاب کا بھی پورا مطالعہ کرنا ضروری ہے)

(۳) کتاب الشعر والشعراء لابن قتیبہ از ابتدا تا حتم
عیوب الشعر (طبع یورپ کے ۳۵ صفحے)

(۴) کتاب علم الادب (الجزء الاول مولفہ لویس شیخوالیسوعی
مطبوعہ بیروت مکمل)

نوٹ - عربی جدید سے واقفیت حاصل کرنے کیلئے طالبعلم
کو چاہئے کہ النظرات مولہ مصطفی المنفلوطی کا مطالعہ کرے -

تاریخ ادب -

(۱) جاہلیت سے حال تک کے ادب عربیہ کی تاریخ

(۲) کتاب الشعر والشعراء کا مکمل مطالعہ -

پروفیسر نکلسن کی تاریخ اداب عرب - جارجی
زید ان کی تاریخ الاداب اللغۃ العربیہ اور راویلری
کی کتاب (عربک تھاٹ)کے مطالعہ کی سفارش کی
جاتی ہے -

عبرانی یا حرمنی یا فرانسیسی -

السنہ مذکور میں سے کسی ایک زبان کی ابتدائی
معلومات کے متعلق ایک پرچم ۵۰ نشانات کا ہوگا جس میں
اس زبان کی آسان علمی عبارتیں اردو میں ترجمہ
کیلئے دی جائینگی یا ان پر اردو میں بحث کرنے کو
کہا جائیگا -

1341-1342 F.   (1932-1933.)

نثر تاریخی -

(۱) سیرۃ ابن ہشام از ذکر ما ابتدا بہ النبی صاعم
(۱۵۱) تا آخر الجزء الخامس (۲۶۲) (طبع یورپ)
نوٹ - طالبعلم کو چاہئے کہ پوری کتاب کا مطالعہ
کرے

(۲) المسعودی - مروج الذهب از باب السابع
و الثلاثون - ذکر عاد و ملوکها تا باب العادی
و الستون .

نثرغیر تاریخی -

(۱) کتاب البیان و التبیین من خطب النبی صلعم الی
آخر الجزء الاول صفحہ ۱۹۳ سے آخر جزء تک -
(۲) کتاب الغفران (مکمل)
(۳) المبرد - پہلے (۱۶) باب (یورپی اشاعتکے سو صفحے -
نوٹ طالب علم کوچاہئے کہ اس کتاب کا پورا اطالعہ کرے

نظم :--

(۱) معلقات (لبید - طرفہ - عنترہ - حارث ابن حلزہ)
(۲) لامیتہ العرب للشنفری
(۳) قصیدہ بانت سعاد (مکمل)
(۴) دیوان ابو تمام سے حسب ذیل دس قصاید -
(۱) السیف اصدق انباء من الکتب -
(۲) هن عوادی یوسف وصواحبہ -
(۳) فنابت الجزع من اروثم العقب
(۴) الحق ابلج والسیوف عوار
(۵) اما نہ اولا لخلیط المودع
(۶) ما عهد نا کذا بکاء المشوق
(۷) فهواک عین علی نجواک یا مذل
(۸) عذا الملک معمور الحرا والمنازل
(۹) ارض مصردۃ واخری تثجم
(۱۰) ما للہ موع تروم کل مرام

نحوو تنقید و عروض و بلاغت-

(۱) المفصل للزمخشری - القسم الاول (طبع یورپ -
صفحات ۱ تا ۱۰۸)
(نوٹ طالب لعلم کو چاہئے کہ اس کتاب کا پورا مطالعہ کرے)
(۲) العمدۃ لابن الرشیق الجزو الاول تا صفحہ ۱۶۰
باستثناء اوزان و قوافی
(۳) کتاب الشعر والشعرا لابن قتیبہ ازابتدا تا ختم
عیوب الشعر (طبع یورپ کے ۳۵ صفحے)
(طالب علم کو ان دونوں کتابوں کا پورا مطالعہ
کرنا ضروری ہے)
(۴) کتاب علم الاداب (الاجزء الاول مولف لویس
شیخوا الیسوعی مطابوعہ بیروت مکمل)

نوٹ ۔ عربی جدید سے وا قفیت حاصل کرنے کیلئے طا لب علم کو
چا ہئے کہ ا لنظرا ت مولفہ ا لمنفلو ظی کا مطا لعہ کرے
(یہم کتا ب مکتبہ ا حمد یہ سے مل سکتی ہے)
تا ریخ ا د ب ۔
جا ھلیت سے حال کے ا دا ب عربیم کی تا ریخ
پرو فیسر نکلس کی تا ریخ ا د بیا ت عرب ۔ جر جی زید ا ن
کی تا ریخ آ دا ب ا للغتہ ا لعربیہ ا ورا ولیدری کی کتاب
(عر بک تھا ٹ) کے مطا لعہ کی سفا رش کی جا تی ہے ۔
کتا با لشعر و ا لشعرا ؛ا مکمل مطا لعہ بھی ضرو ری ہے ۔
عبرا نی یا جر منی یا فرا نسیسی
! لسنہ عذ ٰ ورمیں سے کسی ا یک ز با ں کی ا بتد ا ئی معلومات
کے متعلق ا یک پرچہ ۵۰ نشا نا ت کا ہوگا جسمیں اس ز یا ن
کی آسان علمی عبارتیں ا ر د و میں ترجمہ کیلئے د ی جائیںگی
یا ا ن پر ا ر د و عدن بعث کر نے کو کہا گیگا ۔

<div dir="rtl">

URDU AND PERSIAN.
ا ر د و

نظم ۔

و لی ۔ کلیا ت ۔ مطبوعہ ا نجمن ترقی ا ر د و
ا ورنگ آ با د د کن ۔
سود ا ۔ کلیات
میر حسن ۔ مثنویا ت
ا نیس ۔ مرا ثی جلد ا ول مطبوعہ بد ا یون
حا لی ۔ مسد س معہ د یبا چہ
ا قبال ۔ بانگ د را (حصہ ا ول صرف غز لیا ت ا ور
حصہ د و م ۔ سوم)

نثر ۔

مڈرا من ۔ با غ و بہا ر
غا لب ۔ عو د ھندی
حا لی ۔ حیا ت جا وید
د ا ستان ا میر حمزہ (ربع ا ول)

تا ریخ ا د ب ۔

حسب ذ یل کتب کی سفارش کی جا تی ہے :۔
شیفتہ ۔ تذ کرہ گلشن بیخا ر ۔
میر ۔ نکا ت ا لشعرا ء ۔

</div>

انشاء ۔ دریائے لطافت

پروفیسر سلیم ۔ وضع اصطلاحات ۔

مختلف تنقیدیں بشمول مقدمہ دیوان حانی وموارد۔
انیس ودبیر وغیرہ

تاریخ زبان ۔

گریرسن کی کتاب '' لنگوسٹک سروے آف انڈیا '' جلد نہم
حصہ اول اور حکیم شمس اللہ قادری کی کتاب اردوے
قدیم کی سفارش کی جاتی ھے ۔

بھاشا ۔

(۱) ہندی شکذثلا ناٹک راجہ لچھمن سنگھ } رام نا راین لال

(۲) ہندی یا لبودہ ویا کرن   } الہ آباد

(۳) تاریخ ادب ہندی (Heritage of India Series.)

(۴) تلسی داس را ماین اجود ھیا کانٹ ۔ نصف اول

فارسی ۔ (سنہ ۱۳۳۹ف مطابق سدہ ۱۹۳۰ء کیلئے)

نظم ۔

قصائد قآ آنی حسب ذیل :—

تا سلیمان زمان زندان اسکندر گرفت
ساقی بدہ رطل گران زان مئگی کم دہقان پرورد
بہار آمد کم از گلبن ہمی بانگ ہزار آید
من آن نشا طگزین بزم داستان بینم

قصائد خاقانی حسب ذیل ۔ :—

ہر صبح سرز گلشن سود ابر آورم
صبحدم چون کم بند دآہ دود آسائے من
سنع عشاق چیست بزم عدم ساختن

قصائد غالب دھلوی حسب ذیل ۔ :—

ا ۔ زوہم غیرغوغا در جہان اند اختم
زہے زخویش نشان کمال صنع الہ
ہمانا ! گر گر ہر جان فرستم

غزلیات امیر خسرو حسب ذیل -

١ - ۱ ے زلف چنپیا گۓ توغا رت گرد ینها
٢ - پر د ۂعا شقاں درد پرد ۃ کند چوروی را
٣ - اے دل غمیں مباش کم جانان رسید نیست
٤ - یارا گر بر گشت در تیماربودن ہم خوش ست
٥ - اثرے نما ند باقی زمیں اند رآرز و یت
٦ - بکو گۓ ء شقی از عافیت نشان نذ هند
٧ - یا رب آن با لا مگر از آب حیواں ریختند
٨ - چو گان وخرا مید ن یار م زز عین خیزد
٩ - چو ز نسیم صبح م زلف تو بر هوا شود
١٠ - د ست زکا رشد مرا د سعہ بہ یا ر د رنشد
١١ - ز من در هجراو هردم فغان زا رمی آید
١٢ - شب من سیم شدا ز غم ہم من کجا ت جویم
١٣ - گرچہ ز خوۂ ے نا زکت سو ختم گشت جان من
١٤ - بنشین نفسے کو همہ لطف تو بس است این
١٥ - سودا ۓ خوباں کم نشد ا زجاں غم فرسود من
١٦ - سوے شکا رے پسرنا ز نین مرو
١٧ - تا بز ما نم شد خبرا ز ہم یا کمال تو
١٨ - ہم کس بخوا ب را حت من مبتلا نشستم
١٩ - کہ کلها ستمگرا تنگ قبا گۓ کیستی
٢٠ - د لا آ ں ترک را د یدی کنون سا ما ن کجا بینی

مثنوی مولانا روم -

دفترا ول از ابتد ا تا عنوان " رجعنا من الجها د
الا صغرالی ا لجها د الا کبر " -

نثر

کیمیاگی سعادت - از آغاز کتاب تا آخر " عنوان چهارم در معرفت
آخرت " چهار مقالہ نظامی عروضی سمر قندی رسائل طغراۓ
مشهدی ٔ فرد وسیہ- مرآۃ ا لفتوح - تا چ ا لمد ا ج تعدا د
النوا در -

تاریخ ا دب وتا ریخ زبان -

کتب ذ یل کے مطا لعہ کی سفا رش کی جا تی ہے :-

تذکرہ عرفی -

بروان - جلد اول و دوم -

شعرا لعجم - جلد چہا رم و پنجم -

فارسی (سنه ۱۳۵۰ھ م ۱۹۳۱ع)

نظم

الف ۔ قصاید ۔

(۱) رودکی ۔ قصیدۂ '' ما درمے ''

(۲) خاقانی

صبحدم چون کلم بند د آ ہ دود آ سائے من
چون شفق درخون نشیند آ ہ شب پیمائے من

(۳) عرفی

صبحدم چون دردمند دل صور شبون زائے من
آ سمان صحن قیامت گرد د از غوغائے من

(۴) قاآنی

رود آ مون گشت جیحون ز اشک حیحون زائے من
رشک سیحون شد زمین از چشم خون پالائے من

(۵) ظهیر فاریابی

شرح غم تو لذت شادی می بجان د هد
ذکر لب تو طعم شکر درد هان د هد

(۶) خسرو

شیرین د هان یار کہ راحت بجان د هد
آب حیات زان لب شکر فشان د هد

(۷) سلمان

باد سحر گهی بهوائے توجان د هد
آب حیات را لب اعلت روان د هد

(۸) انوری

طبعم بعرض کردن دریا و کان رسید
نطقم بہ تحفم دادن کون و مکان رسید

(۹) کمال

این خرمی نگر کہ مرا نا گهان رسید
این مملکت نگر کہ بمن را یگان رسید

ب ۔ مثنوی ۔

مثنوی مولانا روم ۔ د فتر اول ازا بتدا تا
عنوان '' رجعنا من الجها د الاصغر الی الجهاد
کبر ''

ج - غزَلیات -

(۱) عراقی همدانی

جز دیدن روئے تو مرا رائے د گر نیست
زخوار بر گس مست تو سر گران بر حاست
در روئے خرابات کسے راکم نیازست
جانان حدیث عشقت درد استان نه گنجد
کردم گزرت بمکید ه دوش
خیزید عاشقان نفسے شور و شر کنیم
ردل جانان غم عشقت رها کردن توان نتوان
اے دل و جان ،اشقان شیفتم جمال تو
صنمارۀ قلندر سزدار بمن نما گی
اے بنو زند ۀ جسم و جان مونس جان کیستی
جو شاد درد ے کۀ در مانش توبا شی
اے زغم فراق تو جان مرا شکا یتی

(۲) حسرو

پرد ۀ عاشقان درد پرد ۀ کند چور روئے را
بت نو رسید ۀ من هوس شکار دارد
چون کا خرا مید ن یا رم ز زمین خیزد
چون ز دسیمصبعد م زلف تو بر هوا شود
شب من سیم شد از غم مه من کجعات جویم
گر چم ز خوئے نازکت سوختۀ گشت جان من
سودائے خوبان کم نشد از جان غم فرسود من
تا بز مانم شد خبر از مم با کمال تو
مهر تو درد ل من مانند جان نشستم
د لا آن ترک راد یدی کنون سا مان کجا بیدی
ساقی بیاکه موسم عیش ست و میم وے
کج کلها ستمگر ا تنگ قبا ئے کیستی

(۳) جامی

بام بر او جلوه دۀ ماۀ تمام خویش را
روحي فداک اۀ صنم ابطحی لقب
باز این خمار درسرم از چشم مست کیست
خوبان هزار از همه مقصود من یکے ست

اے ترک شوخ این همه ناز و عتاب چیست

گفتمش اے شوخ عید تو سست ست از نخست

درد آکم عشق یا ربد یوا نگی کشید

عید ست , دار د هرکسے عزم تما شائے د گر

نا ید ه رخت عمر ے سو داے تو و رزید م .

چه حسن ست اینکم گر هر د م رخت را صد نظر ببنم

رونے تو غا ئب از نظر گل را تما شا کنم چون کنم

ز شهر تن نکلی جان به آن جهان نرسی

نثر :—

(١) کیمیا ئے سعادت ۔ از آغاز کتاب تا آخر '' عنوان چهارم در معرفت آخرت''،

(٢) رسائل طغرا ـ فرد و سیم ' مراۃ الفتوح' و تعداد النوادر

(٣) چهار مقالہ مع حواشی (گب سبریز)

(٤) تاریخ جهان کشاے جوینی از عطا ملک جوینی جلد دوم (از صفحہ ١ تا ١٢٦) تا ذکر جلال الدین خوارزمشاه (گب سیریز)

تاریخ ادب

حسب ذیل کتابوں کی سفارش کیجاتی ہے :—

(١) لیوی پرشین لدریچر

(٢) تاریخ ادبیات ایران جلد اول و دوم ۔ براون

(٣) ادبیات ایران در عهد تا تاز ۔ براون

(٤) ادبیات ایران ۔ عہد حاضرہ ۔ براون

(٥) شعرا العجم ۔ جلد چهارم و پنجم

(٦) دبیر عجم ۔ مولفہ مولوی اصغر علی صاحب روحی مطبوعہ لاهور

PERSIAN.
1341–1342 F.   (1932–1933)

امتحان ا دتدائی

پہلا پرچم حصہ نظم فارسی ۔

الف ۔ قصائد ۔

نمبر ۱	(۱) مادرے را یکرد باید قربان	رودکی
	(۲) صبحد م چون کلہ بند دآ ہ د و د اسائے من	خاقانی
	(۳) صبحد م چون در د مند دلصورشیدوں زآئے من	عرفی
	(۴) رود آسرون گشتہ جہون زآشک جیحون زائے من	قا آنی
نمبر ۲	(۱) شرح غم تو لذت شا دی بجاں د ہد	ظہیر
	(۲) شیریں دہاں یار کم را حت بجان د ہد	خسرو
	(۳) ناد سحر کہی بہوائے توجاں د ہد	سلماں
نمبر ۳	(۱) طبعم بعرضہ کرد ن در یا وکان رسید	انوری
	(۲) این خرمی نگر کہ سرا ناکہا ن رسید	کمال
نمبر ۴	(۱) صبح دگر از مشرق اقبال بر آمد	ظہیر
	(۲) صبح ظفر از مشرق امید بر آمد	سلماں

ب ۔ غزلیات ۔

نظیری ۔

ا ے ا ر کرم نہ ریختم خون خون سبیل ر
ا ر ین ویرا نکم ترمی خوا ستم ویرا نہ خود را
ز عاشق می شود معشوق را نام و نشا ن پیدا
محبت با دل غمد ید ہ الفت بیشتر گیرد
سربر آور بر کلہد ا ر ان قبا ہا تنگ سا ر
ہر جا کہ بود عیش خوش و روزگا ر خوش
ز خیال نغمہ سنجاں رفتم و طر ز کہن برد م
عمرا کر باقی ست رنجشہا کہن خوا ہد شد ن
ز آ ن عبر ین کلا لہ کم بر سر نہا د ۂ
کیست این از رو ے رعنائی بجولا ن آمد ہ

عراقی ۔

جز د ید ن روئ تو مرا کار د گر نیست
ز خواب نرگس مست تو سر گرا ن بر خا ست
د ر کوئے خرابات کسے را کم نیا ز ست
جا نا ں حدیث عشقت در د ا ستان نم گنجد

خیز ید عا شقا ن نفسے شور ۀ شر کنید
ز دل جۀ نا ںغم عشقت رها کرد ن تو ا ن نتوا ن
ا ے د ل و جا ن عا شقا ن شیفتم جما ل تو
ا ے بقوزند ۀ جسم ۀ جا ن مو نس جا ن کیستی

خسرو ۔

پرد ۀ عا شقا ن درد پرد ۀ کند چو روئے را
بت نور سید ۀ ۀ ن هو س شکا ر د ا رد
چو ن گا ۀ خرا مید ن یا رم ز ز مین خیز د
چو ن ز نسیم صبحد م ز لف تو بر هوا شو د
تا بر ما نم شد خبر ا ز ۀ یا کما ل تو
مهر تو د ر د ل من ما نند جا ن نشستۀ
د لا آن ترک را د ید ی کنو ن سا ما ن کجا بینی
سا قی بیا کۀ مو سم عیش ست و میم و ے

جا می ۔

با م بر ا و جلو ۀ د ۀ ما ۀ تما م خو یش را
با ز ا ین خما ر د ر سر م ا ز چشم مست کیست
ا ے ترک شوخ ا ین هم نا ز و عتا ب چیست
ۀ ر د ا کم عشق یا ر بد یو ا نگی کشید
عید ست و د ا رد هرکسے عز م تما شا ئے د گر
نا د ید ۀ ر خت عمر ے سو د ا ئے تو و ر ز ید م
رو ے تو غا ئب ا ز نظر گل را تما شا چو ن کنم
ز شهر تا نکنی جا ن به آ ن جها ن نر سی

ﻫﻼ لی ۔

ز ا ن پیشتر کۀ عقل شو د رهنمو ن مرا
نها د ی برد ئم دا غ فرا ق سو ختی جا نرا
ا ین تا ز ۀ گل کۀ میر سد ا ز نو بها ر کیست
مے خوا هم و کنجے کۀ بجز با ر نم با شد
د رد مند م گر مرا د ر ما ن نبا شد گو مبا ش
هر شبے گویم کۀ فر د ا ترک ا ین سر د ا کنم
بر خیز و بسر و قت عز یز ا ن گز ر ے کن
ا ے یز بها ر تا ز ۀ بها ر کیستی

ج - مثنوي -

(۱) اسرار خودی

(۲) نلد من - حمد و نعت سید المر سلین تا شعر

صبح ست دل و جگر د ر آ میز

وین د م بہ د م سحر د ر آ میز

د - ربا عیا ت -

عمر خیام - سا قی بکرم تو میکنی یا د مرا

آ مد سحر ے ند ا ز میخا نم ما

مرد آن نبو دگم خلق خو ا رند آز و

عا قل بچم ا مید در ین شو م سر ا ے

ایدل ز ز ما نہ رسم احسا ن مطلب

با بط می گفت ما هُئی د ر تب و تاب

ا مر و ز تر ا د ستر س فر د ا نیست

با مر د م پاک ا صل و عا قل آ میز

می پرسید ی کہ چیست ا ین نقش مجاز

ا ے د ل مطلب ز د یگر ا ن مر هم خویش

غم چند مو ز ی بکار نا آ مد ہ پیش

ا ز آتش آ خر ت نمی د ا ر ی پاک

ا سرا ر حقیقت نشو د حل بہ مجا ز

ا یز د چو نخوا ست آ نچم من خوا ستم ا م

چون حا صل آ د می در ین شو رستان

ا ز گر د ش ا ین د ا گر ہ بے پایان

ر و ز یکم گز شتم ا ست ز و باد مکن

ا ے بے خبر ا ز کا ر جہا ن هیچ نۂ

ا یے د ر ر ہ بند گیت یکسان کہ و صم

گر ر و ئے ز مین بجملہ آ با د کنی

د و سرا پرچم - نثر-

(۱) چها ر مقالہ (گب سیر یز)

(۲) سیا ست نا مم (مطبع نا د ر ی بمبئی)

(۳) مرز بان نا مہ (باب دو م) گب سیر یز معم مقد مہ مصحح

(۳) بیست مقالہ قز و ینی صفحہ ۱ — ۱۰۵

تیسرا پرچہ - عصر جدید و مضمون نویسی -

(۱) منتخب از انشاء مرحوم قائم مقام (نصف آخر)
کلیمی پربس کلکتہ

(۲) تاریخ سرجان ملکم - جلد دوم از باب بست و سیم تا باب
بست و ششم (۱۴۹ - ۲۲۳)

(۳) شرح حال و آثار سید جمال الدین افغانی (مطبوعہ
ایران شہر

(۴) حاجی بابا اصفہانی (مطالعہ سرسری)

(۵) پوران دخت نامہ - دیوان پوردا ؤد - نمبر ۲ و ۳
و ۵ و ۶ و ۸ و ۹ و ۱۰ و ۱۳ و ۱۵ و ۱۶ او ۱۹ و ۲۰ و ۲۲ و ۶
مضمون نویسی بالعموم ممتذ کرہ بالاکتب سے متعلق ہوگی

چوتھا پرچہ - عربی - بلاغت وعروض فارسی

الطریقۃ المبتکرہ - الجزء الثالث
بلاغت وعروض کیلئے حسب ذیل کتابوں کی سفارش
کیجاتی ہے -

حدائق البلاغۃ

معاییر الاشعار عجم ، شمس قیس

دبیر عجم - روحی

امتحان آخری -

─────────

پہلا پرچہ - تاریخ ادبیات ایران - از ابتدا تا عہد مغول
حسب ذیل کتابوں کے مطالعہ کی سفارش کیجاتی ہے :—

ہنگا منشی دورا ور میخی کتبے

(۱) Ahl, Outline of Persian History based on
Cuneiform Inscriptions,

(۲) قدیم نقش ایران

(۳) Huart, Ancient Persia (Chapters I, II &
III).

(۴) Rogers, History of Ancient Persia
(Chapters I, II & III).

زردشت اور اوستا

(۱) Jackson, Zoroaster

Jackson, Zoroastrian Studies (۲)

Pur-i-Dau'd's Introductions to (۳)
the editions of Gathas and

Yashts (Marker Avestan Series). پهلوی دور

West, Article on Pahlavi Literature

(Grundriss der Iranischen Philologie
Vol. II, pp. 75–129).

Several Articles in the اسلامی دور

Kawa, New series, 1920—1922.

Jackson, Early Persian Poetry

Browne, Lit. History of Persia
Vol. I & II.

پرچم دوم - از عہد مغول تا زمانہ حال

حسب ذیل کتابوں کے مطالعہ کی سفارش کیجاتی ھے :—

Browne, Persian Literature (1)
under Tartar Dominion.

Browne, Persian Literature in (2)
Modern Times.

Browne, A Year Amongst the (3)
Persians

Browne, The Press and Poetry (4)
of Modern Persia.

Browne, Persian Revolution. (5)

مقام - حسب تصریح قواعد مذکورہ بالا -

URDU.

1341–1342 (1932–1933).

امتحان ابتدائی :—

پرچہ اول - زبان قدیم -

ولی - کلیات - مطبوعہ انجمن ترقی اردو اورنگ آباد دکن

سودا - کلیات

میر - مثنویات

میرحسن - مثنوی سحرالبیان

سبرس مرتبہ عبد الحق صاحب - انجمن ترقی

اردو اورنگ آباد دکن

شمس اللہ قادری - اُردو کے قدیم

پرچه دوم - نظم -

انیس - مراثی جلد اول ودوم

حالی - مسدس مد و جزر ا سلام معه دیباچه

اقبال - بانگ درا!

دبیر - انتخاب کلام د دبیر (حصه دوم حیات د دبیر مرتبه
سید فضل حسین صاحب ثابت)

پرچه سوم - نثر-

میر امن - باغ و بهار

غالب - عود هندی

حالی - حیات جاوید

داستان - امیر حمزه

پرچه چهارم مضمون نویسی

امتحان آخری :—

پرچه پنجم - تاریخ زبان و ادب -

گریرسن لنگوسٹک سروے آف انڈیا (جلد نهم حصه اول

شیفته - گلشن بیخار

انشا - دریاے لطافت

پروفیسر سلیم - وضع اصطلاحات

عبد الحی - تذکر ه گل رعنا

عبد السلام - شعرا لهند هرد وحصے

سکسینه - تاریخ ادب اردو (اردو ایڈیشن)

مختلف تنقید ین بشمول مقد مه دیوان حالی وموازنه

انیس ودبیر وغیره .

پرچه ششم - بهاشا -

راجه لچیمن سنگھ - شکنتلا ناٹک

- هندی بالبد ویا کرن

تلسی داس رامائن (آجود هیاکانڈ)

کی - تاریخ ادب هندی (هری اُدیم آف انڈیا سیریز)

نوٹ - ایم - اے مین کامیابی کیلیے اس پرچه مین (٣٠) فیصد
نمبر لینا ضروری هے -

هفتم - مقاله یا کسی کتاب کو اڈٹ کرنا   ٢٠٠   نشانات

مقالے پروفیسر کی نگرانی اور مشور ے کے مطابق لکھے

جا ٰئیں - مضا مین کا ا نتخا ب پر و فیسر کی تھر یک پُر
مجلس نصا ب کی منظو ر ی سے ھو گا -

HISTORY.

1339–1340—(1930–1931).

PAPER II.—*Comparative Politics.*

Freeman : Comparative Politics.

Warde Folwer : City States of the Greeks and Romans.

B. K. Sarkar : Political Institutions and Theories of the Hindu—Part I.

Sidgwick : Development of European Polity.

Wilson : The State.

Bryce : Modern Democracies.

Sarkar : Mughal Administration.

Mukerje : Democracies of the East.

Nawab Masood Jung : Japan (Chapters relating to the administration of Japan.)

Horne : Political System of British India.

The Constitutions of the Soviet Republic and Turkey.

Khuda Baksh : Orient under the Caliphs.

شا ه ولی ا للہ صا حب بہ ا ز ا ٰہ ا لخفا ء (حصص متعلقہ)

N. B.—Up-to-date knowledge of Modern Constitutions will be required.

Special topic—The working Constitutions of India and of British Self Governing Dominions.

PAPER III.—*Political Theories.*—

Dunning : History of Political Theories.

Barker : Political thought from Spencer to to-day.

B. K. Sarkar : Political institutions and theories of the Hindu—Part II.

Outline of Islamic Political Theories.

Special topic—The Political Theories of Ibn-i-Khaldon ?

PAPER IV and V.

(a) *Indian History* (Allauddin Khilji). The following books are recommended.

تا ریخ فرشته

تا ریخ فیروز شا هی

تا ریخ علا ء ا لد ین خلجی

تا ریخ علا گی

مرء ة ا لعا لم (بخنتا ور خا ن)

Elliot and Dawson   ا نتخا با ت حصص متعلقم ا ز

ا میر خسرو - د ول را نی و خضر خا ن

پرو فیسر آ ینگا ر - جنوبی هند ا ور اس کے ا سلا می فا تح

پرو فیسر محمد حبیب - فتوحا ت علا ء ا لد ین

(b) *Islamic History.*—for 1929 (1338 F.) Khalifa Abdur
Rahman an Nasir li Deen illah. The following books
are recommended :—

نفم ا لطیب (عربی) تین جلد ـ حصص متعلقم

کتا ب ا لمغرب فی اخبا را لمغرب جلد اول و دوم ـ حصص متعلقم

حلة ا لسیرا ء مصنفم ا بن ا لا یا ن ـ حصص متعلقم

نفم ا لطیب (ا نگریزی ترجمم) دو جلد ترجمم گیائنگس ـ حصص متعلقم

Dozy's Spanish Islam.
S. P. Scott's History of the Arab Empire in Europe, 3 Vol.

ا رد و ترجمم موسوم اخبار اللد لس مترجمم خلیل الرحمن صاحب

تا ریخی جغرا فیم ا لس مو لفم مولوی محمد عنایت الله صاحب

(سلاسلم نصا ب جا هم عثما نیم)

Conde's History of Spain, Vol. I.

د سوین عیسوی کی تا ربخ یورپ کے سرسوی مطا لعم کو پلگے
کومی کتا ب

For 1930 (1339 F.) The reigns of Harun-al-Rashid and
Mamun-al-Rashid. The following books are recom-
mended :-

طبرى (حصص متعلقم)

مروج ا لذ هب ,,

كا مل ! بن ا ثير ,,

ا بن خلد و ن ,,

آ غا نى

ا لمعا رف ـ لا بن قتيبم

ا لا حكا م ا لسلطا نيّه (للما ورد ى)

ا لفوح بعد ا لشد ه (قا ضى ا بو ا لمحا سن ا لتنوخى)

كتا ب ا لفهرست ـ لا بن ا لند يم

ا خبا ر ا لحكما ء ـ لا بن ا لقفطى

طبقا ت ا لا مم ـ لا بن صا عد ا لا ند لسى

عيو ا ن ا لا نباء فى طبقا ت ا طبا ء ـلا بن بى اصيبعم ـ(حصص متعلقم)

Ramsay's Historical Geography of Asia Minor.
The Lands of Eastern Caliphate by Le Strange.
Baghdad by Le. Strange.

كتا ب ا لخرا ج ـ قا ضى ا بو يو سف

نسو ا ن ا لمحا ضرة ـ للتنوخى

كتا ب ا لخرا ج ـ لقد ا متم ا لعا ثر.

(c) Modern European History (1799—1875).
  Aulard's Political History of the French Revolution.
     (Translation), Vol. IV, Part IV.
  Mohan's Influence of sea power on the Revolution and Empire.
  Cambridge Modern History Vol. IX.

Fournier	,,	.. Napoleon (Translation).
Do	..	Napoleonic Studies.
Mowat	..	.. Diplomacy of Napoleon.
Rosebery's	..	.. " Pitt."
Rose's Pitt and the Great		War National Revival.
Coquelle	..	.. Napoleon and England.
Seeley	..	.. Life and Times of—3. Vols.
Fisher's	..	.. Napoleonic Statesmanship in Germany.
Oman's	..	.. Peninsular War.
Talleyraud	..	.. Memoirs.
Vandal	..	.. L'avenement de Bonaparte.
Fisher	..	.. Bonapartism.
Metternich	..	.. Autobiography.
Marriot's	..	.. Eastern Question.
Webster	..	.. Congress of Vienna.
De la Jonequiere		.. Histore de 18 Empire. Ottoman. (Translation).

(d) English Constitutional History (1642—1702).

   Candidates should have a competent knowledge of the develop-
   ment of the English Constitution during the period under
   review with special reference to some of the original docu-
   ments contained in such collections as Gardiner's and Robert-
   son's.   For the outlines of the subject the student may consult
   such books as the works of Gardiner, Hallam, Ranke and
   Guizot so far as they have a bearing on the subject.

1341–1342   (1932–1933).

Previous Examination.

1st and 2nd Paper :—

   Cambridge History of India Vol. I.
   Sarkar :   Political Institutions and Theories of the Hindus.
   Sidgwick :   Development of European Polity.
   S. Khuda Bux :   Orient under the Caliphs.
   Sarkar :   Mughal Administration.
   Wilson :   The State.
   Ogg :   Government of Europe.
   Headlam Morley :   New Democratic Constitution of Europe.
   Kitazawa :   Government of Japan.

      A study of the ' Annual Register ' will be required for the
history of the development of Constitution of Russia, Turkey
and other countries.

      N.B.—Up-to-date knowledge of Modern Constitutions will be required.

B. K. Sarkar :   Political Institutions and Theories of the Hindus

3rd and 4th Paper :—

(a) *Indian History* (from Alauddin Khilji to Feroz Shah Tugh-
     laq. The following books are recommended.

   (١)   تاریخ فرشته (حصص متعلقہ)

   (٢)   تاریخ فیروز شاہی (ضیاء الدین برنی)

   (٣)   تاریخ فیروز شاہی (شمس سراج)

   (٤)   تاریخ علائی (خزائن الفتوح)

   (٥)   فتوحات فیروز شاہی (فیروز شاہ)

(۲) تاریخِ مبارک شاهی(حصہ س متعلقہ فذہ و زشا ہ)

(۷) امیر خسرو - دول را نی و خصر خان

(۸) پروفیسر آ یٹگا ر—" جنوبی هند او را س کے
ا سلا می فا تم "

(۹) Fergusson : Eastern and Indian Architecture
(selected portions only).

(۱۰) For life of Amir Khusro refer to Introduction
of his collected works (Published by the
Muslim University).

(*b*) *Islamic History.*—

The reigns of Harun-al Rashid and Mamun-al-Rashid.

The books recommended for this period are the same
as given under 1339 (1930).

(*c*) *Modern European History* (1799–1875).

The books recommended for this period are the same as
for the years 1339–1340 F.

(*d*) *English Constitutional History* (1642-1702)

Candidates should have a competent knowledge of the develop-
ment of the English Constitution during the period under
review with special reference to some of the original do-
cuments contained in such collections as Gardiner's and
Robertson's. For the outlines of the subject the student
may consult such books as the works of Gardiner, Hal-
lam, Ranke and Guizot so far as they have a bearing on
the subject.

N. B.—Up-to-date knowledege of Modern Constitutions will be required.

FINAL EXAMINATION.

· 1st Paper   General Historical Essay.
2nd Paper   Special Topics—

(*a*)   of comparative politics.
(Government of the British Dominions and India).

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Keith : Responsible Governemnt in the Dominions.

Report of the Imperial Conference, 1926 and 1930 (only Constitutional aspect).

B. G. Sapre : Growth of the Indian Constitution and Administration.

The Simon Report, Part I " The Material."

Latest Development to be studied in the Annual Register.

(b) of Political Theories.
The Political Theories of Ibn-e-Khaldoon.

PHILOSOPHY.

Books recommended will be announced later.

MATHEMATICS.

Books Recommended.

Algebra :—

Hall and Knight : Higher Algebra.
Milne : Higher Algebra.
Chrystal : Treatise on Algebra.

Trigonometry :—

Loney : Plane Trigonometry, Part II.
Hobson : Treatise on Plane Trigonometry.

Pure Geometry :—

Askwith—Course of Pure Geometry.
Durell—Course of Plane Geometry for advanced students. Part I and II.

Analytical Geometry of two dimensions :—
Askwith : Analytical Geometry of the Conic Sections.
Smith : Elementary Treatise on the Conic Sections.

Analytical Geometry of three dimensions and Differential Geometry :—

Smith : Elementary Treatise on Solid Geometry.
Bell : 'Elementary Treatise on Co-ordinate Geometry of three dimensions.

Differential Equations :—
Piaggio : Elementary Treatise on Differential Equations.
Forsyth : Treatise on Differential Equations.

Differential and Integral Calculus :—
Gibson : Elementary Treatise on the Calculus.
Lamb : Infinitesimal Calculus.

Williamson: Elementary Treatise on the Differential·Calculus.
Williamson : Elementary Treatise on the Integral Calculus.
Goursat: Mathematical Analysis translated by Hedrick, Vol. I.

Theory of Functions of real and Complex variable :—

Hardy : Pure Mathematics.
Goursat : Mathematical Analysis, Vol. I and III. Part I
Whittaker and Watson : Modern Analysis.

Elliptic Functions :—

Dixon : Elementary Properties of the Elliptic Functions.
Whiltaker and Watson : Modern Analysis.

Fourier Series :—

Carslaw : Theory of Fourier Series and Integrals.
Whittaker and Watson : Modern Analysis.

Attractions :—

Minchin : Treatise on Statics, Vol. II.
Routh : Treatise on Analytical Statics, Vol. II.

Electricity and Magnetism :—

Jeans : Mathematical Theory of Electricity and Magnetism.
Pidduck : Treatise on Electricity.
Livens : Theory of Electricity.

Statics :—

Loney : Treatise on Statics.
Lamb : Statics.
Minchin : Treatise on Statics, Vols. I. and II.

Dynamics of a Particle :—

Loney : Treatise on the Dynamics of a Particle and of Rigid Bodies.
Love : Theoretical Mechanics.
Beasant and Ramsay : Treatise on Dynamics.

Rigid Dynamics :—

Loney : Treatise on the Dynamics of a Particle and of Rigid Bodies.
Beasant and Ramsay : Treatise on Dynamics.
Routh : Rigid Dynamics, Part I.

Hydrostatics :—

Beasant and Ramsy : Treatise on Hydromechanics, Part I Hydrostatics.

Hydrodynamics :—

Lamb : Hydrodynamics :
Beasant and Ramsay : Treatise on Hydromechanics, ·Part II Hydrodynamics.

Spherical Trigonometry :—

Tolhunter and Leathem : Spherical Trigonometry.

Spherical Astronomy :—

Godfray : Treatise on Astronomy.
Ball : Treatise on Spherical Astronomy.

Optics :—

Heath : Treatise on Geometrical Optics.
Herman : Optics.
Ramsay : Optics.

M. Sc. Examination.

1. PHYSICS.

Books to be announced later on.

2. CHEMISTRY.

The scope of the examination is indicated by the following text Books :—

1. Theoretical Chemistry by Nernst.
2. Inorganic Chemistry by Hoffmann.
3. Organic Chemistry by Bernathsen.
4. Advanced Organic Chemistry by Cohen.
5. History of Chemistry by Thrope, 2 vols.
6. Electro-Chemistry by Le-Blanc.
7. Radio-Activity by Heavesy and Paneth.
8. An Experimental course of Physical Chemistry by Spencer, 2 Vols. pages 516.
9. Practical Organic Chemistry by Sudborough and James.
10. Quantitative Analysis by Clowes and Coleman.
11. Qualitive and Quantitative Analysis by Treadwell and Hall, 2 Vols.
12. Outline of Industrial Chemistry by Thorp.

In addition to the text-books already mentioned, the following books are recommended for the final year :—.

1. Inorganic and Theoretical Chemistry by Mellor.
2. A Test-Book of Inorganic Chemistry edited by Newton Friend.
3. Organic Chemistry by Richter.
4. Physical Chemistry by Taylor, 2 Vols.

5. A text Book of Physical Chemistry edited by William Ramsay.
6. New Ideas on inorganic Chemistry by Warner.
7. Inorganic Chemistry by S. Ephraim translated by Thorn.
8. Electro-Chemistry by Creighton and Fink, 2 vols.
9. Chemistry of Nitrogen by Sidgwick.
10. Systematic Organic Chemistry by Cumming, Hopper and Wheeler.
11. Practical Methods of Organic Chemistry by Gatterman.
12. Radioactive substances and their radiation by E. Rutherford.
13. Radioactivity by Hevesy and Pavelts.
14. Bragg's X-rays and Crystal Structure.
15. Molinar's Chemistry.

FACULTY OF THEOLOGY.

Matriculation Examination.

1339—1342 (1930—1933)

Text-books in English, History of India and Geography, Mathematics, and Arabic are the same as for the Faculty of Arts.

AQAID WA MANTIQ.

(1) Al-Fiqh-al-Akbar of Imam Abu Hanifa, (in Arabic), printed at Dairat-ul-Maarif.

(2) Mirqat by Maulana Fazl Imam (O.U.S.)

FIQAH WA HADITH.

Fiqah—The following chapters from Maltaq-ul-abhar published by Madrasai Nizamia, Hyderabad Deccan).

كتا ب ا لطهار ة -كتا ب ا لصلوا ة - كتا ب ا ازكوا ة - كتا ب
ا لصو م . كتا ب ا لحج - كتا ب ا لنكا ح - كتا ب ا لرضا عت
كتا ب ا لطلا ق - كتا ب ا لا يما ن - كتا ب ا لصيد وا لذ با ئح
كتا ب ا لا ضحيه - كتا ب ا لكرا هة - كتا ب ا لو قف -

Hadis—Shamail-i-Tirmizi.

Intermediate Examination.

1339—1342 (1930—1933)

Text-books in English and Arabic languages are the same as for the Faculty of Arts.

(1) FIQAH WA USUL-I-FIQAH.—

(١) شرح و قا يه بعد ف ا ابوا ب :—
با ب ا لنكا ح ا لر قيق وا لمكا ن — با ب ا للعا ن
كتا ب ا لعتا ق كتا ب ا لعد ود

<div dir="rtl">

كتا ب ا لا يق   كتا ب ا لسر قه

(١) فرا ئض سرا جى بعذ ف مولى عوالات ا ورمولى العتافه

(٣) ا صول شا شى

</div>

(2) TAFSIR WA HADIS.

<div dir="rtl">

تفسير —

قرآن شريف كى تعاليم بطريق ا ملا هوا ور حسب ذيل سورتين

پڑها ئى جا ئين :—

سورة بقر- سورة نسا ء (ا ز سورة قا ف تا آخر)

حد يث —

مشكوا قا المصا بيح -حسب ذيل ا بوا ب :—

(١) ا ز كتا ب ا لا يما ن تا ختم كتا ب ا لعلم

(٢) كتا ب ا لسير

(٣) ا ز با ب فضا يل سيد ا لمر سلين تا ختم كتا ب

</div>

(3) AQAID WA MABADIAT-I-HIKMAT.—

<div dir="rtl">

عقا ئد نسفى (مكمل)

شرح عقا ئد نسفى—مسئلم ا ستطا عت كے ختم تك

هد ا يةا لحكمت

منطق—شمسيه

</div>

B. A. Examination.

1339—1342 *F.* (1930—1933)

Text-books in English and Arabic languages are the same s for the Faculty of Arts.

FIQAH WA USUL-I-FIQAH.—

<div dir="rtl">

(١) هد ا يةا أخرين سے ا بوا ب ذ يل:—

ا ز كتا ب ا لبيوع تا ختم كتا ب ا لصرف

ا ز كتا ب أ دا ب ا لقا ضى تا ختم كتا ب ا لشها دت

ا ز كتا ب ا لد عوى تا ختم كتاب ا لاقرار

ا ز كتا ب ا لغصب تا ختم كتا ب ا لشفعم

(٢) ا لشقيم كتا ب ا لقود و كتا ب ا لرهن

</div>

TAFSIR.

<div dir="rtl">

(١) بيضا وى شريف (سوره بقر)

(٢) قرا ن مجيد با ستثنا ء ا ن سور تو ن كے جوامتحان انٹرميڈيٹ

كے لئے مقرركى گئى هين

</div>

HADIS.

<div dir="rtl">

ترمذ ی شر یف کا مل

</div>

KALAM.

<div dir="rtl">

(۱) طوا لع ا لا نوا ر

(۲) حجة ا للہ ا لبا لغم (ا لقسـم ا لا ول)

</div>

M. A. Examination.

1339—1342 *F.* (1930—1933)

The following books are recommended :—

<div dir="rtl">

(۱) کلا م وعقا ئد

(۱) تفر قہ بین ا لا سلا م وا لز ند قہ

(۲) محصل ا زا ما م را زی

(۳) نقد محصل ا ز طوسی

(۴) شرح مقا صد کا مل ا ز علا مہ تفتا زا نی

(۵) د ین و دا نش

(۶) تا ریخ علم کلا م

(۲) تفسیـر ——

(۱) تفسیر کشا ف (منزل ا ول و منزل آ خر)

(۲) بیضا وی (منزل دوم - سوم - چہا رم - پنجم - ششم)

(۳) ا عجا زا لقرا ن للبا قلا نی

(۴) تفسیرا ت ا حمد ی

(۵) مقد مہ تفسیرا بن جر یر

(۳) حد یث بشمول سیرت

حد یث (۱) بخا ری شریف

(۲) جا مع ا لترمذ ی

(۳) شرح معا نی ا لا ثا ر طحا وی

(۴) مختصرا لمختصر

</div>

اصول حديث (۱) مقدمہ ابن صلاح

(۲) رجال بخاری از مقدمہ فتح الباری

سيرت ۔ سيرت ابن هشام (بعذف فی حصہ اشعار) معہ روض الانف سهيلی

(۳) فقہ واصول فقہ ۔

فقہ ۔

(۱) الصنائع والبدائع کا باب ذيل۔ كتاب الطهارة كتاب الصلواة ۔ كتاب الزكواة ۔ كتاب الصوم كتاب الحج ۔ كتاب الوقف ۔

(۲) بداية المجتهد ۔ بعذف فی ابواب جو كتاب الصنائع والبدائع ميں شريك هيں ۔

(۳) مجلات الاحكام

(۴) آثار السنن

اصول فقہ ۔ مسلم الثبوت

FACULTY OF LAW.

LL. B. Examinations.

1339—1342 F. (1930—1933)

The following books are recommended :—

PREVIOUS EXAMINATION.

1st Paper	..	The Penal Code. (Hyderabad).
		The Criminal Procedure Code. (Hyderabad).
2nd ,,	..	The Evidence Act. (Hyderabad).
		Will's Theory and Practice of the Law of Evidence.
		Mahmud's Law the Evidence.
8rd ,,	..	Underhill's Law of Torts.
		Indian Easements Act.
4th ,,	..	Anson's Law of Contract.
		The Contract Act (Hyderabad).
5th ,,	..	Dicey's Constitutional Law.
		Leage's Roman Law.

FINAL EXAMINATION.

1st Paper .. { Usul-i-Dharam Shastar by Baijanth.
Hindu Law by J. C. Gosh, Chapters on Hindu Jurisprudence (Sources of Hindu Law, Inheritance and Joint Family, pp. 1 to 49 and 368 to 396).

2nd „ .. { Muhammadan Law by Amir Ali (Students' Edition
Ghayatul-Author—Kitabul Faraiz.

3rd „ .. { Civil Procedure Code. (Hyderabad).
Law relating to Civil Courts in H.E.H. the Nizam's Dominions.
Indian Limitation Act.

4th „ .. { Specific Relief Act. (Hyderabad).
The Indian Trust Act.
Quanun Malguzari Arazi, Act No. 9 of 1317 F.
Law of transfer of property.

5th „ .. { Salmond's Jurisprudence.
Lawrence's principles of International Law.

In the first paper for the Previous Examination and in every paper for the Final Examination, 40 marks shall be allotted to questions framed with a view to test the ability of candidates to apply more important legal principles to concrete cases. Full credit shall be given for well-reasoned answers to such questions, even if the conclusions happen to differ from the views taken in decided cases. No credit shall be given for bare answers not supported by arguments.

FACULTY OF MEDICINE.

M.B., B.S. and L.M. & S. Examinations.

The following books are recommended :—

1. Gray's Anatomy.
2. Cunningham's Practical Anatomy.
3. Halliburton's Text-book of Physiology.
4. Shcæffer's Histology.
5. Shcæffer's Experimental Physiology.
6. Halliburton's Chemical Physiology.
7. Luff and Candy's Chemistry.
8. Physics.
9. Lowson's Botany Indian Edition.
10. Wells Davis' Zoology.
11. Marshall on the Frog.
12. Marshall and Hurst's Practical Zoology.
13. Ghosh's Materia Medica.
14. Taylor's Medicine.

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15. Rose and Carless' Surgery.
16. Green's Pathology.
17. Green's Midwifery.
18. Muir and Ritchie's Bacteriology.
19. Husband's Medical Jurisprudence.
20. Mody's Public Health.
21. Bury's Ophthalmology (Smaller).

FACULTY OF TEACHING.

B. T. Examination.

(*i*)—SCHOOL ORGANISATION AND HYGIENE.

Books for Reference :—

1. Crowells—Hygiene of School Life, revised by Hutt-Methuen.
2. Hutton Radice-Partridge—Home and School.
3. Mason—Parents and Teachers.

Books Recommended :—

1. Bray's School Organisation. Tutorial Press.
2. Drummond-Arnold. An Introduction to School Hygiene.

(*ii*)—PSYCHOLOGY OF EDUCATION.

Books for Reference :—

1. Educational Psychology.—Its Problems and Methods by Charles Fox—Kegan Paul.
2. Psychology applied to Education by Ward, (C. U. Press).
3. Instinct, Intelligence and Character by Godfrey Thomson.

Books Recommended :—

1. Dumville—Fundamentals of Psychology. (Tutorial Press).
2. Betts—Mind and Its Education.

(*iii*)—PRINCIPLES OF EDUCATION AND TEACHING.

Books for Reference :—

1. The principles of Education by Ruediger Harrap.
2. Principles of Education.—A Text-book by Henderson. (Macmillan.)
3. Modern Philosophy of Education by G. H. Thomson-Allen.
4. Contemparary Education by Clapper-Appleton.
5. Welton : Logical basis of Education. (Macmillan.)
6. Modern Development in Educational Practice—Adams Harrap.

Books Recommended :—

1. Teaching : Its Nature and Varieties by Dumville. (Tutorial Press).
2. Principles of Education by Raymount. (Longmans.)
3. The Educative Process by Bagley. (Macmillan.)

(iv) (a) *Teaching of English.*

Books for Reference :—

1. Silent and Oral Reading by C. R. Stone. (Houghton Miffin & Co.).
2. Teaching of Reading by Wheat. (Ginn & Co.).
3. A Grammar of Spoken English by H. E. Palmer-Heffer.
4. The Oral Method of Teaching Languages by H. E. Palmer.
5. The Teaching of Foreign Languages : Principles and Methods by Kirkman. (U. T. P.)
6. Theory and Practice of Modern Language Teaching: Kitson. (Oxford U. P.)
7. The Sounds of English sounds by Ripman. (Dent).
8. The Phonetics of English by Ida Ward Heffer.
9. The Scientific Study of Languages by Palmer-Harrap.
10. The Principles of Language Study by Palmer-Harrap.

Books recommended :—

1. How to teach a foreign language by Jesperson-Allen.
2. Modern Language learning by Findley-Gregg.
3. Notes on the teaching of English by Batchelor. (Macmillan.)
4. The teaching of English by Roberts & Barter Blackie.
5. The teaching of English by Carpenter Longmans.
6. Chapters on English and Modern Languages, from The New Teaching by Adams.
7. Barnet : Teaching and Organization.
8. Adamson : Practice of Instruction.

For Advanced Study.—*Optional.*

1. The Psychology of Language by Phillsbury-Appleton.
2. Psychology. of High School Subjects : Select Chapters, by C. H. Judd. (Ginn & Co.).
3. Silent & Oral Reading : Select Chapters by C. R. Stone.
4. Psychology of Elementary School Subjects, by H. B. Reed. (Ginn & Co.).

(b) *Teaching of Mathematics.*

Books for Reference:—

1. The Teaching of Arithmetic, by D. E. Smith. (Ginn & Co.).
2. The Teaching of Geometry, by D. E. Smith. (Ginn & Co.).
*3. The Teaching of Algebra by Nunn, (Longmans).
4. The Teaching of Elementary Mathematics by D. E. Smith. (Macmillan & Co.).
5. A Study of Mathematical Education by B. Branford, (Oxford University Press).
*6. Arithmetic Teaching in the Infant and Junior Schools ; Monteith, (Harrap).

7. The Essentials of Arithmetic by Walker.
8. The Teaching of Mathematics by Young.
*9. The Teaching of Mathematics in the Secondary School : Schultze.

Optional : The Psychology of Mathematics.

Books Recommended :—

1. The Nature of Mathematical Abilities.
2. The measurement of Mathematical Abilities.
3. The constitution of Mathematical Abilities.
4. The Psychology of drill in Mathematics.
5. The sequence of topics.
6. The Psychology of thinking.
7. Interest.
8. Conditions of learning.

Books for Reference :—

1. Psychology of Arithmetic by Thorndike.
2. Psychology of Algebra by Thorndike.
*3. The Psychology of High School Subjects by Judd. (Ginn & Co.) Necessary chapters only.

(c) Teaching of Science.

Books for Reference :—

1. The Teaching of Physics—F. R. Mann. (Macmillan).
2. Science Teaching—Westaway. (Blackie).
3. The teaching of Scientific Method—Armstron. (Macmillan).
4. Judd—Psychology of High School subjects, (Ginn & Co.).
5. Scientific Method—Wetsway. (Blackie).

Books Recommended :—

1. Teaching Science—John Brown.
2. Teaching of Chemistry & Physics--Smith & Hall.

(d) Teaching of Geography.

Books for Reference :—

1. Geography in School .. .. J. Fairgrieve.
2. Teaching of Geography .. B. C. Wallis.
3. The Principles and Methods of teaching geography .. .. F. L. Holtz.
4. The Principles and Methods of teaching Geography .. Tamasker.

Books Recommended :—

1. How to teach Geography .. L. S. Stamp.
2. The teaching of Geography .. J. P. Welpton.
3. Teaching of Geography .. Chapman.
4. Class-book of practical Geogrpahy Fairgrieve.

Advanced Course in Geography, (If offered).

Books Recommended :—

1. The principles of Geography—Skeate.
2. Influences of Geographical Environment—Semple.
3. Senior Geography—Herbertson.
4. Practical Geography—Simmons and Richardson.
5. The Study of Map Projections—Garnelt.
6. Maps and Map-Making—Steers.

(e) *Teaching of History.*

Books Recommended :—

Teaching of History—C. H. Jarvis (O. U. Press).
History and its Place in Education—Findlay. (University of London Press).
Place of History in Education—Allan. (Blackwoods).

Books for Reference :—

Teaching of History—H. Johnson. (Macmillan).

Studies in the Teaching of History M. W. Keatings. (Black).

Teaching of History in Junior and Senior High Schools—

Tryon.

Teaching of History—Archer and Chapman (Black).

Citizenship and the School—P. B. Steven. (O. U. Press).

*Psychology of Elementary School subjects—H. S. Reid.

*Educational Psychology—D. Starch.

*The Psychology of the Common Branches—F. N. Freeman.

*Psychology of High School subjects—C. H. Judd.

(v)—HISTORY OF WESTERN EDUCATION AND EDUCATIONAL CLASSICS.

A period will be prescribed from time to time along with a set book or two. There will further be prescribed a book or two under Educational Classics.

The scope of the work is indicated in the books mentioned below :—

1. Adamson.. A short history of Education (C. U. P.).
2. Boyd .. The History of Western Education (Macmillan).

*(Chapters on History).

3. Monroe	.. A brief course in the history of Education, (Macmillan).
4. Graves	.. Great Educators of three centuries, (Macmillan).
5. Graves	.. A Student's history of Education,(Macmillan).
6. Quick	.. Educational Reformers.

Educational Classics :—

Rousseau	.. Emile.
Plato	.. Republic.
Locke	.. On Education.
Spencer	.. Education.
Dewey	.. Democracy and Education.

(vi)—SPECIAL SUBJECTS.

(a) Comparative Education.

Books for Reference :—

Comparative Education—P. Sandiford.

Articles in the Cyclopedia of Education—P. Monroe.

Educational Advancement Abroad—F. C. J. Hearnshaw ·

Universities of the Empire—A. P. Newton.

The New Education in Europe—F. W. Roman.

Universities of the world—C. F. Thwing.

(b) Experimental Education.

Books for Reference :—

1. Practical Psychology by Charles Fox. (Kegan Paul).
2. Statistical Methods in Education-Holzinger. (Ginn & Co.).
3. The use and interpretation of Educational Tests by H. A. Green.
4. Work book in Educational Measurements by H. A. Green.
5. Terman—Measurement of Intelligence.
6. How to measure in Education by McCall.
7. Measurement of School-room products by Chapman & Ruch.

Books Recommended :—

1. Experimental Psychology and Education by Valetine. (Tutorial Press).
2. Psychology of Individual Differences by Ellis Appleton, (pages 74 to 128).
3. Educational Psychology : Starch. (Macmillan).
4. Statistical Methods by H. O. Rugg.

Child Education.

1. Physical and Mental life of Children—Sandiford.
2. Fundamentals of child study—Kirkpatrick.
3. Psychology of childhood—Norsowrthy and Whitley.
4. Some contributions to child Psychology—M. Drummond.
5. Five years old and Thereabouts—M. Drummond.
6. The Early Education of Children—Plasited.
7. Early childhood education—Picket and Boren.
8. The Montessorie Method—Introduction Prof. Hardwood Phillips.
9. The Language and Thought of the child—Piaget. (Kegan Paul).
10. Judgment and Reasoning in the Child—J. Piaget.
11. Child's conception of the world—J. Piaget.

19. APPENDICES.

I. DETAILED SYLLABUSES.

FACULTY OF ARTS.

Matriculation Examination.

SYLLABUS IN SCIENCE FOR STUDENTS TAKING GROUP 1.

Physics.

Mechanics.—General properties of matter ; the three states of matter (Solid, Liquid and Gas) ; Measurements of length, area, volume, mass and time ; Motion ; Velocity, Acceleration, Force and Weight ; Fluid pressure ; Density and specific gravity : The principle of Archimedes ; The barometer, air-pump, water-pump, syphon tube ; Boyle's Law ; Centre of gravity ; Simple machines (Lever and Pulley).

Heat.—The effects of heat on solids, liquids and gases ; Thermometers (Fahrenheit, Centigrade and Reaumer). Calorimetry and specific heat. Change of state and latent heat, Transference of heat (Conduction, Convection and Radiation) : Elementary notion about conduction and radiation.

Light.—Rectilinear propagation of light ; Laws of reflection ; Refraction of light ; Mirrors—plane, concave and convex ; Prisms and lenses : The microscope and telescope.

Sound.—Propagation of sound through solids, liquids and gases : Reflection of sound ; Velocity of sound by reflection.

Magnetism.—Properties of a magnet ; Methods of magneti zation ; Laws of magnetism (Repulsion of like and attraction of unlike poles) : Maps of magnetic fields (by means of iron-filings).

Electricity.—Simple experiments on electrification, conductor and non-conductors ; Electroscope ; Electrical induction ; Electric Condensers and Leyden Jar ; Simple voltaic cell ; Groves Daniel, Bunsen and Bichromate cells ; Magnetic and chemical effects of an electric current ; Electric bell ; Electric lighting.

Chemistry.

Physical and Chemical changes ; Chemical elements; Metals and non-metals ; Solution, Evaporation, Distillation, Filtration, Sublimation, Decantation ; Crystallisation, water of Crystallisation ; Precipitation, Mixtures and Compounds ; Chemical Combination and Decomposition ; Burning and rusting ; The effect of heat on metals.

The chemical properties and composition of air ; Increase of weight by rusting ; The burning of Phosphorus and candle ; The structure of a candle flame. ;

Preparation and properties of oxygen ; Oxides, preparation and properties of Nitrogen ; Action of metals on water. Preparation and properties of Hydrogen ; Electrolysis of water ; Hardness and softness of water ; Carbon ; its allotropic forms ; Carbon dioxide : its preparation and properties ; Preparation of quicklime in lime-kilns ; the slaking of lime ; Slaked lime ; Common salt ; Preparation and properties of Hydrogen chloride gas ; Chlorides and their test : Preparation and properties of chlorine ; Bleaching powder ; Sulphur : crystaline and amorphous varieties : Preparation and properties of Sulphur dioxide, Sulphuric acid. Tests for soluble Sulphates ; Phosphorus, yellow and red ; manufacture of matches ; Nitric acid ; its preparation and properties ; and its oxidizing action ; oxidation and reduction ; Preparation and properties of Ammonia ; Silica and preparation of glass ; General properties of acids, bases and salts.

Preparation, properties and uses of the following metals and their important compounds :—

> Sodium, Potassium, Calcium, Magnesium, Copper, Silver, Iron, Gold, Zinc, Mercury, Tin, Aluminium and Lead.

Syllabus in Domestic Science.

(1) *The Human Body.*—The digestive system, circulation, respiration, removal of waste matters, skeleton, muscles and the nervous system. (Models should be used where possible and illustrations always).

(2) *Food*—Classification of foods, flesh, meals, milk, etc., vegetable foods and fruits.

Cooking—General principles with practical work. Pre-servation of foods, unwholesome foods, beverages, and diets.

(3) *Clothing.*—Uses, dress, materials, principles of con-struction and features of sanitary clothing. Cutting, dress-making and the use of a sewing machine.

(4) *Work and Rest.*—Effect of muscular and mental work on the body, exercise, recreation and sleep.

(5) *Personal Cleanliness.*—Kinds of dirt washing, practice in light laundry work, *e. g.*, washing of lace of thin materials with regard to preservation of colour. Bathing, care of teeth, hair, skin and nails, clothing and house linen.

(6) *Dwelling and Location.*—Construction—arrangements of rooms, walls, roof, floors. Ventilation—composition of air, dust, methods and principles of ventilation. The importance of and arrangements for keeping the house clean. Heating-methods

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and fuels. Lighting—candles, oils and composition, incandescent lighting. Water supply—Natural sources, storage and distribution, purification. Waste matters—removal and disposal. Methods of cleaning, tiding and ornamenting, the necessity of white-washing.

(7) *Money.*—Methods of keeping accounts, regulation of expenditure, saving.

(8) *Disease.*—Causes and prevention, common ailments and their treatment. Attention to defects in eye-sight and hearing. Germs and infectious diseases. Disinfectants and their use for patient and sick room. Practice in arrangements for disinfecting.

(9) *Nursing.*—Duties of nurse—observation of the patient, attendance, medicine, food for invalids, and such practical work as is possible in the ' Duties of a Nurse,' including actual preparation of invalid food.

(10) *First aid in case of accidents.*—Bleeding, fractures sprains, burns, fainting, apoplexy, drowning, bandaging.

(11) *The care of infants.*

N.B.—(1) The grouping of the items in the above scheme is not intended to indicate the order in which they should be taken for class work.

(2) Special emphasis should be given to practical work.

SYLLABUS IN GEOGRAPHY.

General Geography of the World in outline, with special reference to the British Empire, together with India in fuller detail and the essentials of Physical Geography, Surface of the Earth ; Volcanoes and Earthquakes ; the Zones, Latitude and Longtiude, Day and Night ; the Seasons ; the Solar System ; Phases of the Moon ; Waves, Tides and Currents.

SYLLABUS IN MATHEMATICS.

(i) ELEMENTARY MATHEMATICS (for students taking Group A).

ARITHMETIC.—The four fundamental rules applied to integers, vulgar fractions and decimal fractions in particular. Approximations, contracted methods of multiplication and division of decimals. Metric system. Simple forms of recurring decimals. Ratio and proportion. Averages and Mixtures. Percentage and its applications including simple and compound interest, profit and loss. Exchange. Square root.

ALGEBRA.—Algebraic quantities and the extension of the four fundamental rules to them. Calculation of numerical values of expressions and formulæ by substitution. Symbolical expression

of· the general results of arithmetic. Simple factors and formulæ Practice in algebraic work generally. Solution of Linear Equations involving one or two variables and problems leading thereto. Plotting of statistics. Linear graphs.

PRACTICAL GEOMETRY.—The questions on practical geometry will be set on constructions given here below, together with easy extensions of them. Careful draughtsmanship and the use of properly adjusted instruments will be required. For this purpose, every candidate should provide himself with a hard pencil, graduated ruler, a pair of compasses, dividers, protractor, and a pair of set squares.

Bisection of straight lines and angles. Drawing perpendiculars and parallels to a given straight line.

Construction of an angle equal to a given angle.

Division of a straight line into any number of equal parts, or into parts in any given proportion.

Simple cases of the construction of triangles and quadrilateral from given data.

Construction of a triangle equal in area to a given polygon.

Construction for finding the centre of a circle or an arc of a given circle.

·Construction of tangents to a circle and of common tangents to two circles.

Simple cases of the construction of circles from given data.

Construction of a circle in or about a triangle.

MENSURATION.—Elementary mensuration of plane rectilinear figures (a knowledge of the use of Field Book not required), circles, rectangular solids, right circular cylinders and cones (Frusta excluded) and spheres.

(*ii*) HIGHER MATHEMATICS.—(for students taking Group B.)

The syllabus is as follows :—

ARITHMETIC.—Syllabus same as in Elementary Mathematics with the following additions :—

Discount, stocks and shares. Cube root. Harder problems.

ALGEBRA.—Same as in elementary mathematics with the following additions :—

Functional Notation, Remainder Theorem and its application in factorization.

H. C. F. and L. C. M. Fractions. Linear equations in one, two and three variables. Solution of quadratic equations in one variable and solution of problems by means of such equations. Square root of simple rational integral functions. Theory of positive integral indices. Graphs of simple algebraic function

and their applications to the solution of equations. Ratio; Proportion, Variation.

MENSURATION.—Same as in Elementary Mathematics including Field Book and Frusta. Fuller treatment will be expected.

Intermediate Examination.
Sociology.

Introductory.—Subject matter of the Science, its definition and interdependant relations with the Social Sciences. The meaning of Sociology. Its sub-divisions. The method of Sociology. The advantages of studying Sociology.

History.—A brief survey of the development of Sociology, Social Philosophy.

The Structure of Society.—Various conceptions of, and different kinds of Society. The meaning of Society.

The Basis of Society.—Family. Groups. Nationalities. Social Population. Theory of Population. Over-population and under-population.

The Nature of Society.—Human Nature. The Individual and the Group Mind.

Social Processes.—
Individual social processes (Influenced by factors like Climate, Resources, Environment, Occupation, etc.).

Socialization.—Imitation. Compulsion. Sympathy. Interest and Antagonism. Adaptation.

Individualization.—Differentiation. Opposition. Class struggle. Commercialization. Professionalization.

Social Conflicts.—Conflict of Interests. Exploitation.

Social Reconstruction.—Social Interactions. Crossfertilization of Culture.

SYLLABUS IN APPLIED SOCIOLOGY.

Introductory.—General Sociology and Applied Sociology. The Meaning and Scope of Applied Sociology. It relations to State, Economics, and Ethics. Justification of Applied Sociology.

Wealth and Welfare.—The Meaning of Wealth and Welfare. Criterion of Welfare. Theories of Welfare. (Bentham, Mill, Pigou).

Poverty and Pauperism.—Causes of Poverty. Its immediate remedies. Extent of Poverty. The Poverty Problem.

Vice and Crime.—Economical and Social Causes of Vice and Crime. Remedies of Vice and Crime.

Social Pathology.—Social decadence. Degeneration. Intemperance. The Abnormals.

Social Reform.—Principles of Social Reform.

SYLLABUS IN PHYSICS.

Dynamics.—The units of length and time. Displacements, speed, velocity, and uniform acceleration of a particle moving in a straight line. Momentum. Newton's Laws of motion ; the units of mass and force. Hick's ballistic balance. Motion of a particle in a straight line under the action of a force in that line and in a vertical plane under the action of gravity. Energy, work, power, and their units ; simple illustrations of the conservations of energy from Dynamics.

Conditions of equilibrium of a body under three concurrent forces (the parallelogram and triangle of forces), and under parallel forces. Centre of gravity . Simple machines. The balance and its sensibility

The motion of a simple pendulum (studied experimentally). Deductions from the formula for the time of oscillation of a simple pendulum.

General properties of matter.—Extension, inertia, gravitation, divisibility, porosity, elasticity, cohesion, ductility, malleability, brittleness ; plasticity, viscosity. The three states of matter. Changes of state produced by heating and cooling.

Elasticity.—Its dehnition. Distinction between solids and fluids owing to difference in elasticity.

Hydrostatics.—Pressure at a point in a fluid ; definition and illustration ; transmissibility of pressure. Evaluation of pressure at a point in a heavy fluid at rest ; its uniformity in all directions. Resultant thrust in simple cases. The principle of Archimedes, floating bodies, hydrometers. Applications to practical determination of density and specific gravity. The pressure of a gas and its determination ; the barometer and its use in the measurement of atmospheric pressure. Boyle's Law, air pumps and water pumps.

Heat.—Temperature and its measurements ; the construction and graduation of thermometers. The thermal expansion of solids, liquids and gases and their accurate determination ; the air thermometer. Heat as a quantity ; the unit of heat, specific heat and the more direct methods of calorimetry. Laws of fusion, evaporation and ebullition ; latent heat. Vapour pressure and how it is measured. Saturated and unsaturated vapours. Conduction and convection of heat ; definition of thermal conductivity. Radiation ; absorption and reflection ; Law of cooling. The dynamical equivalent of heat ; the conservation of energy.

Light.—The rectilinear propagation of light, formation of shadows, images in pin-hole camera. The experimental facts and laws of reflection and refraction of light ; simple geometrical deductions from these, applicable to small direct pencils incident on plane and shpherical surfaces. The eye and ordinary defects of

vision. Magnifying power. Applications to thin lenses. The telescope and the microscope. The disperison of light ; the spectroscope. Radiation and absorption spectra. Critical angle and total internal reflection. Determination of refractive indices.

Magnetism.—Properties of magnets ; poles, laws of magnetic force, unit poles, lines of force ; uniform magnetic fields and experimental methods of comparing them. The magnetic moment of a magnet. Comparison of magnetic moments. The earth's magnetic field ; the compass. Magnetic induction. The magnetic properties of iron and steel.

Electricity.—Electrified bodies ; electric quantity. Conductors and insulators. Distribution of electricity on conductors. Induction. Laws of force between two small charged spherical conductors. Line of electrostatic force, the electric field. Electric force and electric potential. Difference of potential. Electric condensers and capacity. Dielectric constant.

The more common forms of voltaic cells and the actions that go on in the cells while producing a current. Polarization of cells and methods of preventing it. The action of currents on magnets ; galvanometers depending on such action, including suspended coil type. Metallic (Linear) conductors and electrolytes ; laws of electrolysis. Electromotive force, Ohm's Law ; resistance and the simpler methods of determining it. Measurement of current and comparison of Electro Motive Forces. Distribution of energy n circuit by current and heating effects. Electromagnets.

Sound.—Simple vibratory motion. The production and propagation of sound ; the velocity of sound in air and its determination of sound; the velocity of air and its determination. Nature of wave motion and sound waves. Frequency of vibration, pitch. Amplitude of vibration ; loudness. Laws of vibration of strings and air columns. Interference of sound waves and beats.

COURSE OF INSTRUCTION IN PRACTICAL PHYSICS.

Length measurements by millimetre scale, vernier, micrometer gauge and spherometer.

Determination of areas and volumes by measurement of linear dimensions.

Verification of conditions of equilibrium of a body under coplaner forces.

Determination of the centre of gravity of a plate.

Verification of the law of a simple pendulum ; determination of *g.*

The inclined plane ; system of pulleys.

Use of balance, sensitive to ·01 gram.

Determination of volumes by weighing in water ; determination of capacities of vessels.

Specific gravities of solids and liquids ; use of hydrometer.

Determination of atmospheric pressure by taking readings of Fortin's Barometer and correcting for temperature.

Verification of Boyle's Law.

Determination of fixed points of thermometer.

Determination of co-efficient of expansion of a rod.

Determination of co-efficient of apparent expansion of a liquid.

Expansion of air at constant pressure.

Co-efficient of increase of pressure of air with temperature at constant volume.

Curves of cooling ; melting points.

Determination of specific heats of solids and liquids.

Latent heat of water and steam.

Determination of vapour pressure ; boiling points.

Determination of the dew point by Regnault's and wet and dry bulb-hygrometers.

Comparison of thermal conductivities.

Radiation of heat from different surfaces.

Verification of the Laws of reflexion of light.

Tracing the path of a ray of light through a block of glass and deduction of refractive index.

Focal length of concave and convex mirrors.

Focal lengths of convex and concave lenses.

Measurement of the refractive index of a liquid by measuring its apparent depth.

Measurement by spectrometer of the angle of a prism and the refractive index for sodium light.

Comparison of illuminating powers of different sources of light by the shadow and the grease spot photometers.

Tracing the lines of force in a magnetic field by iron filings and also by means of a small compass.

Comparison of magnetic moments.

Comparison of strength of magnetic field by the method of vibration.

Study of the simple cell, the Daniel and Leclanche cells.

Absolute measurement of current (i) by tangent galvanometer (ii) by electrolysis.

Measurement of heat developed by current.

Measurement of resistance of wires.

Comparison of electromotive forces ; the potentiometer.

Comparison of frequencies of turning forks.

Verification of laws of transverse vibration of strings.

Determination of velocity of sound by resonance of air columns.

SYLLABUS IN CHEMISTRY.

Theoretical.

Inorganic.—

Elementary and compound substances, mixtures, solution, chemical action, the laws of multiple and definite proportions determination of equivalent weights. Dalton's Atomic Theory atomic weights. Combination of gases by volume. Avogadro's Hypothesis. Vapour density, determination of molecular weights.

Valency, relation between equivalent and atomic weights.

Boyle's Law, Charles' Law, Vapour Pressure, Diffusion.

Chemical symbols, formulæ and equations, calculations of an easy nature.

Combustion and the structure of flame.

Oxidation and Reduction.

Catalysis.

Elementary ideas as to the nature of dissociation in gases and liquids : Ionic Theory. Treated in an elementary way.

Outlines of the Periodic Law.

The chief physical and chemical characters, preparation and properties of the following elements and compounds with (as far as possilble proofs of the composition of the compounds :—

Hydrogen, water, hydrogen peroxide, Oxygen, Ozone.

Nitrogen, the atmosphere, ammonia, nitric acid and nitrates, nitrous acid and nitrites, the oxides of nitrogen, carbon, marsh gas, ethylene, acetylene, carbon dioxide, carbon monoxide, coal gas ; chlorine, hydrochloric acid, chlorides, oxides and oxyacids of chlorine, bleaching powder, bromine, iodine, their hydracids.

Sulphur, sulphuretted hydrogen and sulphide, oxides of sulphur, sulphuric acid and the sulphates, sulphurous acid and the sulphites, theosulphates.

Phosphorus, phosphuretted hydrogen, oxides of phosphorus, acids phosphoric.

Boric acid, silicon, silica, silicates, glass, arsenic, hydride and oxides of arsenic.

A brief description of the following metals, important technical

methods of their preparation their applications, cheif compounds, uses and tests :—

Sodium, Potassium, Ammonium radical, Calcium, Magnesium, Zinc, Copper, Lead, Mercury, Aluminium, Silver, Tin, and Iron.

Organic.—

Systematic study of the modes of occurrence, preparation, general properties and constitutional formulœ of the following :—

Methane, Ethane and their derivatives, *viz.* haloid compounds, alcohols, ethers, aldehydes, ketones, monobasic acids, oxalic, succinic, tartaric and of citric acids. Ethylene, acetylene, amines, glycin, can sugar, Dextrose, Levulose, Starch, Glycerol. Fats, and vegetable oils, soaps, urea and uric acids, Benzene, its chief derivatives, *viz.* Nitro and Amino compounds, Phenol, Benzoldehyde, Benzoic acid, Salicylic acid.

Practical.

Students are expected to do the following experimental work. An account of each experiment must be written by the student in a special note-book and regularly initialled by the Demonstrator or the Professor-in-charge. These note-books shall have to be submitted to the Examiner at the time of the University Examination.

(1) Fitting up of simple apparatus.
(2) Simple chemical manipulations, such as filtration, distillation, decantation, crystallization, etc.
(3) Use of the chemical balance.
(4) Investigation of common materials, such as salt, lime-stone, alum, blue vitriol, etc.
(5) Preparation and properties of the following :—

Hydrogen, Oxygen, Nitrogen, Chlorine, Hydrogen Chloride.

Carbon Dioxide, Carbon Monoxide, Nitrous Oxide, Ammonia.

(6) Determination of the water of crystallization.
(7) Determination of equivalent weights of simple elements.
(8) Preparation of simple salts.
(9) Effect of heat on single substances and mixtures.
(10) Qualitative analysis of single salts.
(11) Simple exercises in volumetric analysis, comprising,

(*a*) Alkalimetry and acidimetry (*b*) Estimation of ferrous iron and oxalic acid by means of permanganate (*c*) Estimation of chlorine ions by means of silver nitrate solution.

Syllabus in Biology.

Zoology :—

The fundamental facts and laws of Biology.

Distinction between animals and plants.

Differentiation of structure, modification and division of function of the cell.

The elements of animal physiology.

The fundamental facts of heredity, variation, environment, adaptation and evolution.

A general description and distinctive characteristic and life-history of the following :—

Amœba, Paramœcium, Vorticella Hydra, Earthworm, Mosquito, Cockroach, Frog, external features, dissection, digestive, circulatory, lymphatic, respiratory, skeletal, muscular, nervous system, and development of frog.

General characters of Aves.

General characters of Mammals.

Botany :—

The distinguishing features of living and non-living bodies.

The description and the minute structure of a vegetable cell.

Chemical and physical properties of protoplasm, direct and indirect division of a cell.

Description of the macroscopic and microscopic appearance of root, stem and leaf.

General description of flower, inflorescence and branching fruit, seed and dispersal of seeds of the types studied.

Transpiration, respiration and absorption in plants.

Reproduction in plants.

Elements of classification.

Description and practical knowledge of the structure, function and life-history of Yeast, Mucor, Spirogyra, Fern, Cycas, Maize, and Sunflower.

N.B.—Students are expected to keep a record of all practical work in a special Laboratory Note-book which will be liable to Examination by the University Examiners. The laboratory Instructors should sign the result of each day's practical work.

Syllabus in Mathematics.

1. *Geometry.*

Plane Geometry :—

The questions in practical Geometry shall be set on the constructions contained in Schedule " A," together with easy extensions of them as riders if desired. A candidate should provide

himself with a ruler graduated in inches and tenths of an inch and in centimetres and millimetres, a set square, a protractor, compasses and a hard pencil. All figures should be drawn accurately.

The questions on theoretical Geometry shall consist of theorems contained in Schedule " B," together with questions on these theorems, easy deductions from them and arithmetical illustrations. Any proof of a proposition shall be accepted which forms a part of any systematic treatment of the subject. The order in which the theorems are stated in Schedule " B " is not imposed as the sequence of the treatment. Proofs which are only applicable to commensurable quantities will be accepted. The use of intelligible abbreviations is recommended.

Schedule " A."

Division of straight lines into parts in any given proportions.

Construction of a triangle or a square, equal in area to a given polygon.

Construction of common tangents of two circles.

Simple cases of the construction of circles from sufficient data.

Construction of a fourth proportional to three given straight lines and of a mean proportional to two given straight lines.

• Construction of a regular pentagon.

Description in a given triangle of a triangle similar and similarly placed to another given triangle.

Description of squares in a triangle and in or about a given-quadrilateral.

Schedule " B."

Proportion : Similar Triangles.—If a straight line is drawn parallel to one side of a triangle, the other two sides are divided proportionally ; and the converse.

If two triangles are equiangular, their corresponding sides are proportional ; and the converse.

If two triangles have one angle of the one equal to one angle of the other and the sides about these equal angles proportional, the triangles are similar.

If two triangles have one angle of the one equal to one angle of the other and the sides about another angle of each proportional, the sides opposite the equal angles being homologous, the third angles of the triangles are either equal or supplementary.

The internal bisector of an angle of a triangle divides the opposite sides internally in the ratio of the sides cotaining the angle, and likewise the external bisector externally.

In a right angled triangle the perpendicular drawn from the right angle to the base will divide the triangle into two parts which are similar to the whole and to each other.

If an angle of a triangle be bisected by a straight line which cuts the opposite side, the sum of the rectangle contained by the two segments of that side and the square on the bisecting line is equal to the rectangle contained by the other two sides of the triangle.

If a perpendicular be drawn from a vertex of a triangle to the opposite side, the rectangle contained by the other sides of the triangle is equal to the rectangle contained by the perpendicular and the diameter of the circle described about the triangle.

The rectangle contained by the diagonals of a quadrilateral inscribed in a circle is equal to the sum of the rectangles contained by the two pairs of opposite sides.

The ratio of the areas of similar triangles is equal to the ratio of the squares on corresponding sides.

If two triangles (or parallelograms) have one angle of the one equal to one angle of the other, their areas are proportional to the areas of rectangles contained by the sides about the equal angles.

Concurrency and Collinearity.—If three concurrent straight lines are drawn from the angular points of a triangle to meet the opposite sides, the product of three alternate segments taken in order is equal to the product of the other three segments.

If a transversal is drawn to cut the sides or the sides produced of a triangle, the product of three alternate segments taken in order is equal to the product of the other three segments.

The three medians of a triangle meet in a point, and their common point is a point of trisection of each median.

The three lines drawn through the angular points of a triangle perpendicular to the opposite sides are concurrent.

The three lines which bisect the angles of a triangle are concurrent ; and so also are the bisector of one of the interior angles of a triangle and the bisectors of the other two exterior angles.

The three lines drawn through the middle points of the sides of a triangle perpendicular to those sides are concurrent.

In any triangle the three middle points of the sides, the three feet of the perpendiculars drawn from the angular points on the sides, and the three middle points of the lines joining the ortho-centre to the angular points all lie on a circle whose diameter is equal to the radius of the circumscribed circle and whose centre is the middle point of the line joining the othocentre and circum-centre.

If from any point on the circumference of a circle, perpendiculars be drawn to the sides of an inscribed triangle, the three

feet of the perpendiculars lie on a straight line.

Harmonic Section.—Division of a given straight line internally and externally so that its segments may be in a given ratio.

The locus of a point whose distances from two fixed points have a constant ratio is a circle.

Centre of similitude.—If any two unequal similar figures are placed so that their homologous sides are parallel, the lines joining corresponding points in the two figures meet in a point, whose distances from any two corresponding points are in the ratio of any pair of homologous sides.

Every straight line which passes through the extremities of two parallel radii of two fixed circles passes through one or other of two fixed points.

Pole and Polar.—If a straight line be drawn through a given point to cut a given circle, the point of intersection of the tangents at the two points of section always lies on a fixed straight line.

If one point lie on the polar of another point, the second point ies on the polar of the first point.

Radical Axis.—Determination of the locus of points from which tangents drawn to two given circles are equal.

The radical axes of three circles taken in pairs are concurrent.

Construction of the radical axis of two given circles.

Expressions for radii of circumcircle, incircle and excircle of a triangle.

SOLID GEOMETRY.—

Elementary properties of lines and planes. Solid figures. Regular polyhedra. Surfaces and volumes of parallelopipeds, prisms, pyramids, cylinders, cones and spheres (frusta included).

GEOMETRICAL CONICS.—

Elementary properties of Parabola, Ellipse and Hyperbola.

2. *Algebra.*

Ratio, Proportion and Variation. The Solution and the Theory of Quadratic Equations, Progressions, including the summation of squares and cubes of natural numbers. Surds. Simple Permutations and Combinations. Binomial Theorem for any index, with elementary ideas of convergence as applied to the development of the series involved.

8. *Trigonometry.*

Sexagestimal and Circular units of angular measurements. Trigonometrical ratios and the simple relations connecting them. Relations between Trigonometrical ratios of angles differing by

multiples of right angles. Addition and subtraction formulæ: Logarithms. Solution of triangles and simple cases of heights and distances. Radii of the circumscribed, inscribed and escribed circles of a triangle. Graphs of Trigonometrical functions. Inverse circular functions.

B. A. Examination.

ZOOLOGY.

Principal

There will be three theory papers and two practical examinations. The theory and practical papers will each carry one hundred marks and will be of three hours duration each.

The structure and phenomenon of the Animal cell. Reproduction, Sexual and Asexual, and Parthenogenesis. Alternation of generations and Metamorphosis.

Evolution, Heredity, and Variation.

The structure, habits and development of the following groups and detailed study of the types given in each :—

Protozoa :—Amoeba, Euglena, Monocystis, Paramoecium, Vorticella and Malarial parasite.

Porifera :—Sycon.

Coelentrata :—Hydra, Obelia, and Aurelia.

Platyhelminthes :—Fasciola hepatica and Taenia solium.

Nemethelminthes :—Ascaris and general knowledge of other Nematodes.

Annelida :—Earthworm, Nereis, and Hirudo.

Echinodermata :—Star-fish and Antedon.

Arthropoda :—Prawn, Daphnia,and Cyclops (general characters only).

Cockroach, Anopheles, Musca, Scorpion, Peripatus,

Scolopendra. and Limolus

Mollusca :—Fresh water Mussel, and Ampullaria. Chiton*
The principal characteristics, habits and detailed study of the following chordates :—

Hemichordata :—Balanoglossus.
Urochordata :—Ciona.
Cephalochordata :—Amphioxus
Cyclostomata :—Petromyzon (general characters only).
Pisces :—Dog-fish.
Amphibia :—Rana Tigrina.
Reptilia :—Lizard. (Skeleton of **Veranus may** be substituted).

Aves :—Columba (Skeleton of Gallus may be substituted).

Mammals :—General characters of Prototheria and Metatheria as illustrated by Echidna, Kangaroo and Rabbit

General characters of the class Mammalia.

Elementary principles of Geological and Geographical dis tribution of animals.

General principles of Classification.

Outlines of the development of Amphioxus, Frog, Chick, and Rabbit.

An elementary knowledge of the Histology dealing with various animal tissues.

Elementary Physiology of the various organs of animals.

Practical.

Candidates will be required to show a knowledge of the methods of microscopic technique, and to examine, dissect, and describe the following :—

Amoeba, Euglena, Monocystis, Paramaecium, Vorticella, Sycon Hydra, Obelia Pheretima, Nereis*, Leech, Star-fish Prawn, Cockroach, Scorpion, Unio, Ampullaria, Ciona, Dog-Fish, Frog, Lizard, Pigeon and Rabbit.

Osteology of Frog, Lizard, Fowl and Rabbit, Skull of Canis.

ZOOLOGY.

Subsidiary.

The Examination will comprise a three hours' paper of sixty marks and a Practical Examination of three hours' carrying 40 marks.

The Theory paper will deal with the following syllabus :—

The structure and phenomenon of the Animal cell, Reproduction, Sexual and Asexual, Parthenogenesis, Alternation of Generations and Metamorphosis.

Evolution, Hereditary, and Variation.

Elementary principles of Geological and Geographical distribution of Animals. General principles of Classification.

The structure, habits and development of the following :—

Protozoa :—Amoeba, Euglena, Monocystis, Paramaecium, Vorticella and Malarial parasite.

Porifera :—Water sponge.

Coelentrata :—Hydra and Obelia.

Platyhelminthes :—Fasciola hepatica and Taenia Solium.

Nemethelminthes :—Ascaris.

Annelida :—Earthworm and Hirudo.

Arthropoda :—Prawn, Cockroach, Anopheles, Musca, and Scorpion.

Mollusca :—Fresh water mussel.

The principal characteristics, habits and detailed study of the following Chordata :—

Cephalochordata :—Amphioxus.

Cyclostomata :—Petromyzon (general characters only).

Pisces :—Dog-fish.

Amphibia :—Rana tigrina.

Reptilia :—General characters only.

Aves :—Columba.

Mammals :—General characters only.

Outlines of Embryology and development of Frog and Chick.

Practical.

Candidates will be required to show a knowledge of the methods of Microscopic technique, and to examine, dissect and describe the following :—

Amoeba, Euglena, Paramaecium, Monocystis, Vorticella, Hydra, Obelia, Pheretima, Leech, Prawn, Cockroach, Frog, Pigeon, and Rabbit.

. BOTANY

Principal.

There will be three Theory papers and two Practical examinations. The Theory and Practical papers will each carry one hundred marks and will be of three hours' duration each.

Paper I.

Systematic Botany, and General Morphology and Histology of Gymnosperms.

(a) Gymnosperms—Cycadafae, Coniferae.

(b) Angiosperms—Study of the following orders with special reference to the local flora :—

Monocotyledons :—Liliacae, Orchidaceae, Amaryllideae, and Gramineae.

Dicotyledons :—Ranunculaceae, Anonaceae, Papaveraceae, Cruciferae, Caryophyllae, Malvaceae, Geraniaceae, Rutaceae, Leguminosae, Rosaceae, Myrtaceae, Cucurbitaceae, Cactaceae, Umbelliferae, Rubiaceae, Compositae, Oleaceae, Asclepiadaceae, Apocynaceae, Begoniaceae, Acanthaceae, Verbenanaceae, Labiateae, Nyctagineae, Convolvulaceae, Solanaceae, Scrophurarineae, and Euphorbiaceae.

Paper II.

Physiology, Ecology, and Evolution. Heredity, Lamarkism, Darwinism, and Mendelism.

Section (a)—*Physiology* :—Chemical composition of the plant, soil, and its nature, photosynthesis, Blackman's Conception of the limiting Factor in Photosynthesis, Transpiration and Respiration, Growth, Movement, Reproduction (Sexual and Asexual), Cross and Self fertilisation, Regular & Irregular Nutrition.

Section (b)—Plant in relation to its environment in detail, *i. e.* Adaptation, etc. Mendelism, Evolution, Lamarkism, and Darwinism. Heredity and Variation.

Paper III.

Section (a)—Algae and Mycology ; Bryophyta.

General characters only :—Chlorophyceae, Cyanophyceae, Phaeophyceae, Rhodophyceae, Characeae, Hepaticae, and Musci.

The structure and Life History of the following :—
Bacteria, Nostoc, Chlamydomonas, Volvox, Marchantia, Spirogyra, Fucus, Phytophthora infestans, Penicillium Glaucum, Oedogoium, Mucor, Yeast Funaria, Sphaerella, Pleuro- coccus, Vaucheria, Cladophora, Puccinia graminis, Claviceps purpurea, Ustilago, Agaricus.

Section (b)—General characters of Eusporangiate and Leptosporangiate Ferns.
Detailed study of the following :—
Aspidium, Equisetum, Selaginella and Lycopodium,

Practical —1st paper.—Systematic Botany, General Morphology, and Anatomy.

Practical—2nd paper.—Vascular Cryptogams, Mycology and Physiology.

BOTANY. .

(Subsidiary):

The examination in Botany will comprise a three hours' paper of sixty marks and a practical examination of three hours' carrying forty marks.

The following syllabus is prescribed :—

1. The external morphology of flowering plants.

2. Histology—The structure of the cell, karyokinetic and other methods of division, Plastids, cell sap and other cell contents, the origin and growth of the tissues, the primary and secondary tissues and their distribution in the flowering plants.

8. Plant Physiology :—Chemical composition of the plant-soil and its nature, Photosynthesis, Transpiration, Respiration, Growth, Movement, Reproduction (Sexual and-Asexual) cross and self-fertilisation, Elements of varia, tion, Heridity and Evolution.

4. The structure and life history of the following :—Bacteria, Nostoc, Chlamydomonas, Volox, Spirogyra, Oedogonium, Fucus, Mucor, Yeast, Agaricus Marchantia, Funaria Aspidium, and Cycas.

5. The general principles of classification and the characteristics of the following families :—Graminaceæ, Palmaceæ, Liliaceæ, Labiatæ, Solanaceæ, Cucurbitaceæ, Compositæ, and Moracæ, Malvaceæ, Anonaceœ, Laguminosæ, Euphorbiaceæ.

The Practical Examination will embrace—examination and description of microscopic specimens, examination and description of plants or parts of plants, performance of simple microchemical tests such as those for starch. Cellulose, lingnin, and suberin and explanation of the use of simple physiological apparatus. (Permanent mounts are not required).

Students are expected to keep a complete record of Laboratory work in a special Note-book. Every journal is to be signed periodically by a member of the staff. Candidates are to produce their journals at the practical examination,

SYLLABUS IN PHYSICS.

The course includes a more extended study of the matter included in the Intermediate Course and in addition the following :—

Dynamics.—Resolution and Composition of displacements velocities, and accelerations. Curves of speed and velocity diagrams. Motion of a particle in one plane under constant accelerations. Simple harmonic motion ; composition of simple harmonic motions. Angular velocity and angular acceleration ; moment of velocity.

Absolute units of force. Resolution and composition of forces. Angular momentum ; moments of inertia in simple cases ; the pendulum ; determination of *g*. Work, energy, conservation of energy ; energy diagrams. Impact ; the ballistic pendulum. Simple cases of the dynamics of strings. Dimensions of dynamical units.

Conditions of equilibrium of a body acted on by forces in one plane. Moments, couples. Centre of mass. The theory of simple machines. Laws of friction. Graphical methods with simple applications.

Properties of Matter.—Elasticity : Hooke's Law. Compressibility of gases (at high and low pressure) and liquids. Compressibility and rigidity of solids ; the elastic limits. Strains due to simple longitudinal pull ; Young's modulus and its expression in terms of K. and N. Bending in one plane of bars of simple cross sectional area. Simple twisting of wires of circular cross sectional area by couple in plane at right angles to length ; torsional rigidity ; applications to torsion balance, and shafts. The bifilar suspension, gravitation, the compound pendulum and accounts of experiments to find the mean density of the earth.

Diffusion of liquids and gases ; analogy with conduction of heat. Osmosis, viscosity. Pressure of a gas and its explanation on the kinetic theory ; Avogadro's hypothesis ; Van der Waal's equation.

Hydrostatics.—Thrust of fluid on plane and curved surfaces. Centre of pressure in simple cases. Floating bodies and conditions of stability. Properties of gases, determination of heights by barometer. Pumps, pressure gauges, and hydrostatic machines. Capillary phenomena and their explanation by surface tension ; general theory of surface tension.

Heat.—The methods of calorimetry and thermometry. Vapour pressures, critical temperature and pressure. Conduction and diffusion of heat and the determination of constants. Radiation and absorption ; laws of cooling. Theory of exchanges ; methods of measuring radiation. Laws of thermodynamics ; simple applications.

Light.—Velocity of light. Illumination; photometry. Combinations of two or more thin lenses, thick lenses. Achromatism in lens systems; direct vision spectroscope.

The wave theory; simple interference phenomena, Huygens's principle. Explanation of straight line propagation, reflexion, and refraction of light. Action of mirrors, lenses, etc., reviewed from this standpoint. Simple diffraction phenomena. Gratings and wave length determination. Spectrum analysis; Doppler's principle. Double refraction and polarization of light; rotatory polarization; simple applications.

Magnetism.—Forces on a magnet in a magnetic field. Determination of axis and moment of magnet. Magnetic potential, level surfaces. Interaction of two short magnets; determination of field strength. Magnetic shell; its potential energy in magnetic field. Total normal induction, Gauss's theorem; number of lines of force. Magnetic induction in iron, etc. Theory of magnetism.

The magnetic field of the earth. The elements and their variations : the compass and its corrections.

Electricity.—Electric capacity; specific inductive capacity. Distribution of electricity on surface of conductors; images. Value of electric force in simple cases of distribution. The mechanical force on charged conductors; energy of electrified systems. The dielectric medium; dielectric displacement currents.

Wheatstone's bridge; specific resistance; resistance thermometers. Conductivity of electrolytes; ionization; migration phenomena; accumulators; Standard cells : the potentiometers system of measurement. Thermo-electricity; application of thermo-dynamics; thermo-electric diagrams. Electro-magnetic induction, co-efficients of induction; induction coils. Energy of circuit carrying current when placed in a magnetic field; mechanical force on conductors carrying current; moving coil instruments. Lenz's law, illustration from dynamos and motors, etc. Determination of current resistance, E. M. F., in absolute measure. The discharge of a condenser; electric waves.

The elementary theory of the continuous currrent dynamo and motor and of the alternate current dynamo. General principles of the application of electricity to lighting, power transmission, telegraphy, etc.

Sound.—The transmission of energy through material media by wave motion; speed of propagation of waves of permanent type. Nature of musical sound; pitch, scales. Reflexion and refraction of sound; influence of wave length. The vibration of strings, bars, plates and gas columns; resonance. Interference and diffraction phenomena. Analysis of sound. Measurement of wave length, velocity and pitch

• A practical examination will be held to test the candidate's acquaintance with the phenomena and his ability to show them, as well as his ability to make physical measurements.

SYLLABUS IN SUBSIDIARY MATHEMATICS.

(For students taking Physics)

NOTE.—Only an elementary treatment of the course is expected.

Algebra.—The Binomial Theorem ; Exponential and Logarithmic Series ; Determinants ; Partial Fractions.

Plane Trigonometry.—De Moivre's Theorem and easy deductions therefrom.

Analytical Conics.—Rectangular and Polar co-ordinates. Transformation of co-ordinates. Elementary properties of Straight Line, Circle, Parabola, Ellipse and Hyperbola.

Differential Calculus.—Elementary graphs of functions ; Limits ; Differentiation of elementary Algebraic and Trigonometric Functions from first principles ; Differentiation ; Successive Differentiation ; Leibnitz Theorem. Expansions with elementary ideas of convergence and divergence of Series ; Taylor's and Maclaurin's Theorems for a single variable ; Elementary Partial Differentiation ; Tangents, Normals ; Curvature ; Maxima and Minima of function of a single variable.

Integral Calculus.—Integral as a sum. Integration as a reverse process of Differentiation ; Standard Forms ; Elementary Reduction Formulæ : Rectification, Quadrature, Volumes ; Applications in simple physical cases ; Elementary treatment of double and treble integrals.

Differential Equations.—Formation of Equations ; Solution of the Equations of 1st order. Integration of Differential Equations of the 2nd order with constant co-efficients.

SYLLABUS IN CHEMISTRY.

Theoretical.

General and Physical.—

Laws of chemical action, atomic and molecular theories, determination of atomic and molecular weights, general properties of gases, liquids and solids, kinetic theory of gases, Van der Waal's Equation. The Phase Rule, Law of Mass action. Catalysis, thermochemical changes, properties of solutions, Osmotic Pressure, Electrolytic Dissociation, Abvidity of acids and bases, relation of physical properties to constitution, crystalline structure, radioactive, property of matter, classification of elements.

Inorganic.—Systematic study of the following elements and their important compounds :—

Elements of the Zero Group, Lithium, Sodium, Potassium, Rubidium, Cassium, Copper, Silver, Gold, Glucinum. Magnesium,

Calcium, Strontium, Barium, Zinc, Cadmium Mercury, Boron, Aluminium, Thallium, Carbon, Silicon, Zirconium, Tin, Lead, Nitrogen, Phosphprus, Arsenic, Antimony, Bismuth, Oxygen, Sulphur, Selenium, Tellurium, Chromium, Molybdenum, Tungtun, Fluorine, Chlorine, Bromine, Iodine, Manganese, Iron, Cobalt, Nickel and Platinum, Important Radio-active elements.

Organic.—

The modes of occurrence, preparation, characteristics and constitutional formulæ of the following :—

The Paraffins, Olefines, Acetytenes and their derivatives, *viz.*, haloid derivatives, alcohols, ethers, aldehydes, ketones and acids ; Amines, Amides, Di-carboxylic acids, Hydroxiacids, Glycols, Glycerine, Compounds of the alcohol radicals with sulphur, nitrogen, phosphorus, arsenic and silicon, organic metalic bodies, carbohydrates, Glucorides, cyanogen, hydrocyanicacid, urea, and uric acid, Benzene, its homologues and their principal substitution derivatives Tammin, Naphthalene, anthracene and their principal derivatives, pyridine, pyrrol, quinoline, and its common alkaloïds.

Theory of Sterio-isomerism.

Practical.

Inorganic.—

(1) Analysis of mixtures of salts, containing not more than four radicals.

(2) Gravimetric estimation of copper, iron, aluminium, calcium, magnesium, sulphate, chloride, carbonate.

(8) Volumetric analysis comprising (*a*) titration of acids, alkalies and alkaline carbonates. (*b*) Estimation of iron with permanganate and bichromate (*c*) Use of standard Iodine solution, and (*d*) titration involving precipitation.

(4) Simple Inorganic preparations.

The preparation of the following organic, compounds :—

Chloroform.
Ethylene.
Ethylbromide.
Ether.
Iodoform.
Ethyl Acetate.
Oxalic acid.
Nitro-Benzene.
Aniline.
Acetanilide.
Phynol.
Methyl Orange.
Benzaic acid.
Sulphanilic acid.

SYLLABUS IN SUBSIDIARY PHYSICS.

(For students taking Chemistry).

Properties of matter.—Elasticity of liquids and gases (at high and low pressures).

Diffusion of gases. Viscosity.

Osmosis, pressure of a gas—its explanation on the basis of the Kinetic theory.

Van der Waals' Equation.

Heat.—The methods of Calorimetry and Thermometry. Vapour pressures, critical temperature and pressure. Conduction and diffusion of heat.

Radiation and absorption. Laws of cooling.

Laws of Thermodynamics with simple applications.

Light.—Photometry, Achromatism Microscopes, Telescopes and Spectroscope.

The Wave theory.—Simple Interference phenomena, Huygens principle, explanation of straight line propagation. Reflexion and refraction of light, action of mirrors, lenses, etc., reviewed from this standpoint. Simple diffraction phenomena. Gratings and wave length determinations. Spectrum analysis, Doppler's principle. Double refraction and polarization of light, rotatory polarization, simple applications.

Electricity.—Wheatstones' bridge. Specific resistance, resistance thermometers. Conductivity of electrolytes, ionization migration phenomena ; accumulators, standard cells, potentiometers.

Thermo-electricity, application of thermo-dynamics, thermo-electric diagrams.

Electro-magnetic Induction, Co-efficients of induction, Induction coils. Energy of circuit carrying current, moving coil instruments, Lenz's Law. Determination of current resistance and E. M. F. in absolute measure. Discharge of a condenser, Radio-Activity.

SYLLABUS IN MATHEMATICS.

Algebra.—Exponential and Logarithmic Series. Inequalities. Simple tests of Convergency of Series (Ratio and Comparison tests). Partial fractions, Summation of series. Continued fractions. Recurring series. Indeterminate equations of the first degree.

Theory of Equations and determinants. Relations between the roots and co-efficients of an equation. Easy transformations. Cardans solution of cubic. Development and Elementary properties of determinants and their applications to the solution of Linear Equations.

Trigonometry.—De Moivre's Theorem—Expansions of Trigonometrical Functions. Hyperbolic and Inverse Functions. Summation of series.

Analytical Geometry.—Rectangular and Polar Co-ordinates. Transformation of Co-ordinates. Straight Line, Circle, Parabola, Elipse, and Hyperbola. The general equation of the second degree. Tracing of curves given by the general equation of the second degree.

Differential Calculus.—Conditions of Differentibility of a function. Differentiation. Successive differentiation. Taylor's Theorem for a single variable. Expansions. Indeterminate Forms. Partial differentiation. Maxima and minima of functions of a single variable. Tangents, Normals, Asymptotes, curvature and Tracing of curves.

Integral Calculus.—General methods of integration. Standard forms. Reduction formulæ. Rectification of plane curves, Quadrature of surfaces and volumes of solids of revolution.

Differential Equation.—Formation of a differential Equation. Equation of the first order and of the first degree. Standard forms for the equations of the first order. Clairaut's Equation. Linear Equations with constant Co-efficients. Linear Equations with variable Co-efficients.

SYLLABUS IN GENERAL ECONOMICS.

Introductory.—Subject matter of the Science and its definition. The divisions of the Science and their interdependence. Definition of wealth, capital, land, labour, utility, value and price.

Land.—Qualities and characteristics. Its difference from capital. The Law of diminishing returns. Land improvements, Land values and Economic progress.

Labour.—Distinctive Qualities. Skilled and unskilled labour. Productive and unproductive labour. The division of labour. Conditions of efficiency. Mobility of labour. The Law of population.

Capital.—Qualities, Conditions of accumulation.

Production.—The three agents and the extent to which they are needed. Production on a large and small scale. The Employer. Machinery. Principle of substitution : Localisation of industry. Law of increasing returns. Law of constant returns.

Consumption.—Wants. Interdependence with activities. Necessaries and Luxuries. Diminishing utility. Consumer's surplus. Elasticity of demand. Fashion and custom.

Exchange.—Definition and Criteria of a market. Demand and supply. Marginal supply and demand. Prices. Equilibrium of demand and supply. Influence of time, Wholesale and retail prices. Dealers and Speculators,

Distribution.—Analysis of interest, profits, rent, and wages. Gross, and net interest. Normal rate of interest and the changes in it. Interest paid by agriculturists. The Classical Theory of rent. Its application to Indian conditions. Relation of rents to prices. Limitation of rents by Legislation. Real and nominal wages. Net advantages. Normal rate of wages. Changes in nominal wages. Effect of a rise in wages. Earnings of specialised occupations. Earnings of Management. The National dividend.

SYLLABUS IN INDIAN ECONOMICS.

Introductory.—Natural environments and how they moulded economic life in India. Special features of Indian Sociology and its connection with Indian Economics.

Production.—Special features of the factors of production in India. The condition of agriculture and means of its improvement. Forests, Mines, Indian animals ; their economic importance. Manufactures in India, causes of their decay, suggestions for improvement. The place of foreign capital in the development of Indian industries. Large scale versus small scale production. The Industrial Revolution. Factory labour. The beginning of the Labour problem.

Distribution.—Theory of distribution and its applicability to Indian conditions. Rent, Agricultural rents and Mining rents. Wages, connection between prices and wages. Interest, Bank rates. The Money-lender. Need of credit. Co-operative credit.

Exchange.—Currency, history of rupee, paper currency system, gold exchange standard, gold standard reserve. Home charges, council Bills and reverse councils. Advantages and weaknesses of the Indian Monetary system. Rate of Exchange. The nature and causes of the difficulties experienced during and after the War. Banking. Short history of the growth of Banking in India. Various classes of banks and their business. The Imperial Bank of India.

Consumption.—The standard of Life. Effects of consumption on production. The necessary Reforms.

Taxation.—Principles of Taxation. Direct and Indirect Taxation. The Indian Financial System. The Budget and the annual financial statement. Public Loans.

The State and Economics.—The Land Revenue System. Zamindari and Raiyatwari Tenures. Tenancy Legislation. Famines—causes and effects, measures for prevention. The Co-operative Movement in India ; its benefits ; its progress. Railways ; history of their development ; their present position and future prospects ; the problem of State versus Private Railways ; the bearing of Railway policy on the indigenous industries of the country. Irrigation ; present condition : major and minor

works; Productive and Protective works; prospects of future development. The State in relation to Industry. Free Trade and Protection. India and Imperial Preference. The effects of war on the various phases of economical life in India.

SYLLABUS IN SOCIOLOGY.

Same as in the Intermediate.

FACULTY OF MEDICINE.

M.B., B.S. and L.M. & S. Examinations.

ANATOMY.

A. Lectures and Demonstrations.

OSTEOLOGY.—General description of bones and their structure-Demonstration and description of all the bones of the human body (with reference also to their centres of ossification).

MYOLOGY.—General description of fasciæ and different kinds of muscle—their structure.—Demonstration and description of all the fasciæ and muscles (treated regionally) as regards the origin, insertion, action, relation, innervation and blood supply of each muscle.

SYNDESMOLOGY.—General description of joints—their classification and various movements permitted in different types of articulations. Description of each joint (in detail) as regards its formation, movements and blood supply (with demonstrations on a dissected part.)

ANGIOLOGY.—Outline of circulation of blood—Description and structure of heart—Cardiac cycle—fœtal circulation.

Blood vessels—General description and structure of different kinds of blood vessels.

Arteries.—Each artery described as to its course, relationship and branches.

Veins.—Each vein described as to its course relationship and tributaries.

Lymphatic System—Structure of lymph glands and lymphatic vessels—with their description according to different regions of the body.

NEUROLOGY.—General description of the nervous system (Cerebro-Spinal and sympathetic)—Structure of nerves and ganglia—Description (in detail) and demonstrations from specimens and section of different parts—Medulla Spinalis—Various parts of the Encephalon—the Meninges, the cranial and spinal nerves—Different portions and plexuses of the sympathetic System.

Organs of taste, smell, sight, hearing, and peripheral termination of nerves of general sensation. Skin and its appendages.

SPLANCHNOLOGY.—Demonstrations and full descriptions of: Organs of Respiration and Digestion—Peritoneum, Uro-Genital apparatus (male and female) Ductless glands.

EMBRYOLOGY.—Germ cells, their origin and structure; maturation and fertilization; segmentation, germinal layers; early stages in the development of the embryo; Fœtal membranes and placenta; Development of organs.

B. Dissection of the Whole Human Body by Every Student.

PHYSIOLOGY.

Lectures.

1. *Histology.*—The animal cell and its division. The varieties and structure of epithelia and connective tissues including cartilage, bone and teeth with their development.

The varieties and structure and functions of voluntary, and involuntary muscles and nerves with their development. Irritability and contractibility of the tissues. Changes during the contraction of muscle in form, extensibility and elasticity, temperature and electrical condition, also chemical changes.

2. *The Circulatory System.*—The structure of the heart, arteries, capillaries and veins and lymphatic vessels. Physiology of the heart, circulation of blood in the fœtus and the adult. Blood pressure, velocity of blood arterial and venous pulse, flow of blood in arteries, capillaries and veins, and lymph flow. Innervation of the heart and blood vessels.

3. *Blood.*—Composition, quantity, and coagulation of blood, chemistry of blood, corpuscles. Compounds and derivatives of hæmoglobin. Enumeration of blood corpuscles. Estimation of hæmoglobin. Tests for blood.

4. *Lymph and Lymphatic glands.*—

5. *Ductless glands.*—Their structure and functions and internal secretion.

6. *Respiratory System.*—Organs and mechanism of respiration; gases of blood, cause and regulation of respiration. Special respiratory acts and artificial respiration. Effects of respiration on circulation. Relation of respiration to nutrition. Oxygen want. Respiration at high pressure. Abnormal respiration and asphyxia.

7. *Digestion.*—Structure of secreting glands connected with digestion including liver and pancreas. Composition and actions of their secretions on various food-stuffs. Mechanical processes of digestion and absorption of food.

8. *Urinary System.*—The structure and functions of the apparatus, composition of urine, formation of urea, uric acid, ammonia, creatin and creatinin and hippuric acid. Inorganic urinary constituents and deposits. Tests for abnormal constituents of urine.

9. *Skin and its Appendages.*—Structure, and functions of the skin and its appendages. Composition and secretion of sweat. Regulation of heat.

10. *Chemical Composition of the body.*—Chemical physiology of the carbo-hydrates, protein and fats. Enzymes and their actions. Metabolism of carbohydrates, fats and proteins, and conservation of energy.

11 *Nerve, Nerve Centres, Nerve Cells.*—Their structure and functions. Degeneration and regeneration of nerves. Velocity, direction, and nature of the nerve impulse, chemistry of nervous tissue, changes in the electrical condition and excitability of nerves. Autonomic nervous system.

12. *Central Nervous System.*—Structure and functions of white and grey matters of the spinal cord. Results of sections of spinal cord. Reciprocal action of antagonistic muscles. Principle of the common path Structure of bulb, pons and midbrain. Origin and functions of cerebral nerves.

Structure and functions of cerebellum

Structure of the cerebrum. Localization of cerebral functions. Motor and Sensory areas. Association fibres and centres.

13. *Structure and functions of :*—

(*a*) the organs of taste and smell.

(*b*) Anatomy of the ear and physiology of hearing.

(*c*) Structure and functions of the eye.

Accommodation and defects in the optical apparatus.

Visual sensations and theories of vision.

14 *Cutaneous sensations and their varities.* Motorial and visceral sensation.

15 Anatomy of the Larynx. Production of voice and speech.

16 Reproduction, development and growth of the body

PHYSIOLOGY.

Practical Course.

EXPERIMENTAL PHYSIOLOGY.

(*a*) *Circulation.*—Microscopic examination of the circulation of blood. Dissection of frog's heart, graphic record of its action. Dissection of the sino-atrial junction. Dissection of the vagus.

·Dissection of the cardio-sympathetic. Stimulation of the sino-atrial junction, of the vagus, of the cardio-sympathetic. Apex preparation of the heart. Actions of muscarin and atropine, heat, cold, and electrical current on heart. Stannius experiment.

(b) *Muscle.*—Teasing of muscle-fibre. Microscopic preparation of muscle-fibres, voluntary and involuntary stimulation of muscle—mechanical, chemical and electrical. Muscle-nerve preparation.

Result of single stimulus. Influence or stimulus strength load on fatigue, temperature and drugs. Successive stimulii, on muscle. Tetanic contraction. Elasticity and extensibility. Electrotonus. Rheoscopic frog. Marey's tambour. Mygraph, cardiograph, Mammalian heart and its nutrition.

(c) *Blood.*—Microscopic examination of blood, Specific gravity. Tonometer.

· Preparation of fibrin-ferment. Intra-vascular coagulation. Spectroscopic examination, preparation and examination of oxyhæmoglobin. Chemical tests for blood. Hæmocytometer Hæmoglobinometer, sphygmograph, sphygmometer. Respiration and artificial respiration. Pneumograph. Polarimeter. Stromuhr. Kymograph. Analysis of gases of the blood and of the expired air.

• (d) *Nervous system.*—Extirpation of cerebellum in pigeon.

Extirpation of cerebrum in pigeon.

Reflex actions, section of spinal cord in rabbits. Nerve and its microscopical examination. Eye accommodation. Phakoscope. Retinal shadows.

Laryngoscope, opthalmoscope, retinoscope, permieter, cold, heat, pressure and pain spots.

CHEMICAL PHYSIOLOGY.

(a) Chemical compositions of and tests for proteins, carbohydrates and fats and principal food-stuffs. Emulsification of fats.

(b) *Digestion :*—actions of saliva and gastric juice, and tests for hydrochloric and lactic acids.

Actions of pancreatic juice, bile, and succus entericus. Tests for glycogen.

Examination of urine—tests for albumen, sugar, bile, blood and deposits ; quantitative estimation of albumen, sugar, urea, uric acid and chlorides of urine.

HISTOLOGY.

Microscopical preparations (hardening, embedding, section-cutting, staining and mounting) of tissues ; examination of hystological slides of different tissues.

MATERIA MEDICA.

In the course of systematic lectures, the natural history, chemical and physical properties of all the official drugs and the most important non-official medicinal agents with full accounts of their pharmacological action and their Therapeutic uses on the gastro intesterial tract, respiration, circulation, secretion, excretion, sensory, motor and reflex mechanism, heat regulation and absorption will be dealt with and also the method of preparation, doses, composition, sources, with physical, chemical and physiological incompatibilities of the British Pharmacopæcial drugs will be lectured upon.

Definitions of all the technical terms commonly employed in Pharmacology and Therapeutics.

Pharmacology ⎰ of various drugs in the British Pharma-
and ⎱ copœia acting on different systems.
Therapeutics

    (*a*) Prescribing (*b*) Latin pharses used in prescriptions.

    (*c*) Action of drugs :—

    (1) The primary action (2) The secondary action. (3) The direct or local action. (4) The indirect or remote action. (5) The relation between chemical constitution and physiological action. (6) The relation between physical condition and physiological action.

INORGANIC MATERIA MEDICA.

Group	I.	Oxygen and Proxide of Hydrogen.
,,	II.	The alkaline metals :—
		Potassium, Sodium, Ammonium and Lithium.
,,	III.	The alkaline earths :—
		Calcium, Barium, Strontium and Magnesium.
,,	IV.	Lead, Silver, Zinc. Copper, Bismuth, Aluminium.
,,	V.	Mercury.
,,	VI.	Iron and Manganese.
,,	VII.	Arsenic.

               (*a*) Organic Arsenic compounds.
                  1. Aliphatic or fatty series, and
                  2. Benzol ring compounds or aromatic (Benzol) Series.
               (*b*) Arseno-Benzol and Neo arseno, Antimony Chromium, Uranium and Phosphorus.

,,	VIII.	Drugs used to kill parasites.
,,	IX.	Chlorine, Iodine, Bromine and (Idoform Halogens).
,,	X.	Hypnotics.
,,	XI.	Acids.
,,	XII.	Carbon and its compounds.
,,	XIII.	Gluside, Paraffin, Benzene, Carbondisulphide.
,,	XIV.	Water.

ORGANIC VEGETABLE MATERIA MEDICA.

Group.   I. Drugs acting on the nervous system.
„   II.   „   „   Cardio-Vascular System.
„   III.   „   „   Respiratory Organs.
„   IV.   „ which are antiperiodic, antipyretic, and
                           antiseptic.
„   V. Purgatives.
„   VI. Volatile Oils, and Solid Volatile Oils (Stearoptenes).
„   VII. Vegetable Bitters.
„   VIII. Vegetable Astringents.
„   IX. Demulcents.
„   X. Anthelmintics and Parasitcides.
„   XI. Diuretics.
„   XII. Drugs acting on the uterus.
„   XIII. Drugs used for gout.
„   XIV. Bodies related to volatile oils.
„   XV. Drugs containing important acids.
„   XVI. Colouring agents.
„   XVII. Drugs whose action is mechanical.
„   XVIII. Drugs whose action is not known.

ORGANIC ANIMAL MATERIA MEDICA.

Substances derived from the Animal Kingdom including the following Sera and vaccines.

    I. Antidiphtheritic Serum.
    II. Antitetanic Serum.
   III. Antipneumococcic Serum.
   IV. Antiplague Serum and Vaccine.
    V. Antistreptococcic Serum and Vaccine.
   VI. Tubercular Serum and Vaccine.
  VII. Cholera Serum and Vaccine.
 VIII. Typhoid   „
   IX. Hydrophobia Vaccine.
    X. Antigonococcic Serum.
   XI. Shigas' Antidysenteric Serum.
  XII. Pollantin.
 XIII. Coley's fluid of Sarcoma.
 XIV. Wright's Staphylococcic Vaccine.
  XV. Sclavo's Serum for Anthrax.

ORGANO-THERAPY.

The Thyroid gland.
The milk of Thyroidectomised goats.
The serum of   „   sheep.

Thymus Extract
Acid Extract of Duodenal Mucous Membrane.
The Kidney.
The Liver.
The Spleen.
The Sex Glands.
Bone Marrow.

PHARMACY AND DISPENSING.

PATHOLOGY.

1. *General Pathology—*

The Cell in health and disease.   General retrogressive processes.
Inflammation and Repair.   Diseases of Metabolism, *e.g.*, Gout,
Diabetes, Intoxications and Autointoxications.   Disturbances
of circulation :—Dropsy, Thrombosis, Embolism and Infarcations,
Tumours, Infective Granulomata.   Animal parasites, Infection
and Immunity.   Internal secretions.   Fevers and infective
diseases.

2. *Systematic Pathology—*

Diseases of:—The circulatory system.   2. The blood and
blood-forming organs.   3. The lymphatic system.   4. The spleen.
5. The respiratory system.   6. The digestive system.   7. The
ductless glands.   8. The genito-urinary system.   9. The genera-
tive system.   10. The nervous system.   11. Cartilage, bone and
joints.   12. The voluntary muscles.   13. The tendons sheaths
and bursae.   14. Diseases of special organs such as eye and ear,
etc.   15. Diseases of the skin.

3.   Tropical Pathology—

Malaria. Relapsing fever. Kala azar and Leishmaniasis. Tropical splenomegaly. Trypanosomiasis. Dengue fever. Malta fever. Yellow fever. Plague. Filariasis. Leprosy. Yaws Beri. Beri Sprue. Cholera. Dysenteries. Amæbic abscess and Mycetoma. Schistosomiasis.

Bacteriology.

1.   Introduction : General Bacteriological Methods :—

Apparatus. Microscope. Micrometer. Dark-ground illumination. Sterilisation and disinfection. Cultivation of bacteria. Anaerobic cultivation ; various methods.

2.   General Characters of Micro-organisms.

Classification and Morphology.

Biology of Bacteria. Multiplication : Sporulation. Motility. Aerobiosis. Anaerobiosis. Saprophytes and Parasites. Fermentation. Putrefaction. Bacterial products and Pathogenesis.

3.   Study of Specific Infective Bacteria.

Pyogenic bacteria. Staphylococci. Streptococci. Pneumococcus. Meningococcus. Gonococcus. Allied pyogenic organisms. Bacilli of Colon-Typhoid and Dysentery Group. Agglutination reactions. Cholera and allied vibrid. Anthrax and B. Subtilis. Diptheria. Preparation of anti-toxin. Diptheroid organisms. Bacilli of Hæmorrhagic-septicæmia. B. pestis. Rats and rat fleas. Anti-plague vaccine.

Influenza. Whooping Cough. Malta fever.

Anærobic bacteria. Tetanus. Antitetanic serum. Allied organisms.

Acid-fast bacilli. Strep totircheae. B. Tuberculosis.

B. lepra and B. Malli. Actinomyces.

Blastomycetes and Hypomycetes. Spirillar disease.

Protozoa—Amœba coli, Entamœba histalytica. Trypanosoma. Malarial parasites, Treponema pallidum and Leishman's bodies.

Tape-Worms.—Tœnia solium, Tœnia mediocanellata, Tœnia echino-coccus, Bothriocephalus latus.

Thread-Worms—Ascaris lumbricodes, Oxyuris vermicularis, Trichocephalus dispar, Ankylostama duodenale, Trychina spiralis, Filaria sanguinis hominis, Dracunculus medinensis,

Fluke-Worms—Billharzia hoematobia, and Schistosomum, japonicum. Filterable viruses. Measles. Scarlatina. Hydro—phobia-Rabies and Anti-rabic inoculation. Small-pox and vacc-cinia.

4. *Immunity.*—

Infective process. Natural immunity, Artificial immunity, Vaccines. Theories of immunity. Anti-toxins. Antisera and Wasseremann reaction and its modification. Bactriolysins, Agglutinins, Precipitius and Haemolysins.

5. *Micro-organisms* in Air. Dust. Soil, Sewage Water and Good.

6. *Disinfectants.*—

7. *Practical Course.*- -

Technique of collection and examination of morbid materials—such as—blood, gastric and intestinal contents, urine. pus, sputum and exudates. Examination of Tumours.

HYGIENE.

1. *Water.*—Sources—Collections. Distribution and storage, —Chemical compostion—Properties and impurities and their effects on health—Purification without filtration and with filtration—Filter beds and domestic filters--Collection of samples for analysis—Chemical. Microscopical and bacteriological examination.

2. *Air.*—Composition and physical properties of air—Impurities, their sources, and effects on the general health—Examination.

3. *Ventilation.*—Amount of air required—Theory and Practice of Ventilation—Purification of air—Examination of Ventilation—Heating and cooling of dwellings.

4. *Occupational Diseases and Offensive Trades :*—Lead, Mercury, Phosphorous, Arsenic etc.—Offensive trades and their effects on health—Nature and regulation of such trades.

5. *Soils.*—Origin nad varieties of soil—Features influencing climate and health—Diseases arising from soil.

6. *Sites and Buildings :*—Selection of sites for building—Principles and rules regulating the sanitary constructoin.

7. *Food.*—Classification—Nature—and uses of food stuffs—Quantity required—Relative Value—Cooking—Diseases connected with food.

8. *Vegetable Food stuffs.*—Cereals—pulses—roots and tubers-green vegetables—fruits and nuts—sugar—honey and C.

9. *Animal food.*—Inspection of animals—Characteristic features of good and bad meat—Diseases produced by unwholesome meat.

10. *Milk.*—Comparison—Preservation—Diseases produced by—Preventive measures.

11. *Beverages and Condiments.*—Non-fermented and fermented drinks—Condiments—Sanitary laws.

12. *Diet in India.*—Standard vegetarian diet—Food and physical development—Physiological effects—Daily diet.

13. *Refuse.*—Collection, Removal and Disposal.

14. *Sewage.*—Collection, Removal and Disposal—Advantages and disadvantages of different systems—Analysis—Sanitary Laws.

· 15. *Disposal of the dead.*—Crematin—Burning—Earth burial —Different methods adopted.

16. *Personal Hygiene.*—Habit—Cleanliness—Clothing—Eating—Drinking—Smoking—Sleeping—Principles as regards exercise and rest—Calculation of work done.

17. *Climate and Meteorology.*—Varieties, causes and effects of climate—Acclamatization—Temperature—Atmospheric pressure—movements of wind, etc.

18. *Infection and Carriers of Infection.*—Infection—Incubation—Bacteria—Modes of Infection—Insects—Mosquitoes—Sand Fly, etc.

19. *Animal Parasites.*—Cestoda—Nematoda—Hookworm—Filaria, etc.

20. *Restraint of Infection.*—Notification—Isolation—Quarantine—Disinfection—Immunity—Vaccination—and its pral—Sanitary laws—methods.

21. *Preventable Infectious Diseases.*—Malaria—Kala Azar—Enteric Fever—Plague—Cholera—Diphtheria—Tuberculosis—Smallpox, etc.

22. *Medical Inspection of Schools.*—Scope and Nature of medical inspection—Duties of Medical Inspectors—Methods of inspection.

23. Maternity and child welfare. Protection of Motherhood. —Ante and Post natal period—Child welfare centre—Health Visitors—Midwifery service.

24. *Vital Statistics.*—Importance—Estimation of population—Birth and Death rates—Registration of vital events—Infant mortality, their causes and prevention—Death certificates—Occupation and mortality—Special death rate—Life Table—Marriages.

25. *Sanitation of fairs and Religious festivals.*—Accommodations—Medical and Sanitary arrangements—Water supply—Conservancy—Food Supply.

26. *Village Sanitation.*—Education—Water supply—Conservancy—Malaria and other water borne diseases.

27. *Practical Demonstrations.*—Hygiene Models and charts--Water Analysis—Examination of milk and its adulterants —Microscopic examination of different starches, cotton, wool, silk fibers—Slaughter Houses—Filter Beds—Observatory—Vaccination—Isolation Hospital.

FORENSIC MEDICINE.

Part I.

1. *Introduction.*

2. *Identifications of the living* including anthropometry, finger prints, personal markings and estimation of age.

3. *Identification and Examination of the Dead* with estimation of age and determination of sex.

4. Autopsy for medico-legal purposes and exhumation.

5. *Medico-legal relations of death.* —modes of dying, syncope, asphyxia and coma, sudden death, classification of the causes· of death for legal purposes.

6. *Signs of Death.*—Molecular and Somatic death, inconclusive and certain signs of death.

7. *Different forms of decomposition* in the dead.

8. *Conditions resembling death*—Syncope, trance, partial asphyxia, premature burial and cremation.

9. *Death by drowning.*—Suffocation, Hanging, and Strangulation.

10. *Death by burning*—Sunstroke and Electricity.

11. *Death from Cold* and from starvation.

12. *Wounds and Mechanical Injuries* including examiation of blood and other stains.

13. *Wounds of special regions* of the body with their causes and effects.

14. Sexual offences including abnormalities of the generative organs, impotence and sterility. Rape and unnatural offences.

15. *Pregnancy and legitimacy* including conception, sign of duration of gestation and superfœtation.

16. *Criminal Abortion.*

17. *Birth and Infanticide* including , live and dead birth, infanticide and post-mortem examination of a newly born infant,

18. *Different forms of Insanity* and other abnormal state of the mind with examintion of lunatics, medical certificates and methods of placing lunatics under restraint. Hypnotism, Somnambulism and feigned insanity.

19. *Medical Examination* for attendance at court, damages, feigned diseases, etc.

20. Legal and moral obligations of the medical man including registration of birth, certificates of death, dying declarations, notification of diseases, malapraxis, professional secrecy, etc.

21. Evidence of the medical man and procedure in the courts.

Part II.

(Toxicology)

1. General facts regarding poisons with diagnosis of poisoning. Principles of treatment, separation of poisons and their classification.

2. *Corrosive Poisons.*
•3. *Irritant Poisons* (Metals and non-metals).
4. *Gaseous Poisons.*
5. *Poisnous Carbon Compounds.*
6. *Poisons of Vegetable origin.*
7. *Poisons of animal origin and Mechanical poisons.*

Medicine.

Introduction.—Definition of Disease—Infection, etc.

Pyrexia.—*Infectious diseases : Specific Fevers.*

Diseases of the organs of Respiration, Nasophranyx—Larynx —Trachae—Bronchi—Lungs and Pleura.

Diseases of the circulatory System. Abnormalities of Heart beat—Diseases of the Endocardium—Myocardium and Pericardium Diseases of the Blood vessels.

Diseases of Alimentary System - -Mouth—Tonsils—Pharynx and Salivary Glands—Oesophagus, Stomach and Intestines, Liver—Pancreas and Peritoneum.

Diseases of the Blood—Spleen and Lymphatic System.

Diseases of the Endocrine Glands—Thyroid and Parathyroids, Thymus—Suprarenals—Pituitary—Pineal and Pancreas.

Diseases of the Urinary System—The Urine, Kidneys—their inflammations, degenerations, and Tumours.

Diseases of the Nervous System—Carnio—Spinal Nerves—Spinal Cord—Medulla Oblongata—Brain—Sympathetic System—Psychopathies.

Diseases of the Muscles.

Diseases of Bones and Joints.

Chronic Intoxications—Alcohol—Lead—Arsenic—Mercury.

Disorders of Nuerition and metabolism—Gout—Rickets—Scurvy—Beriberi, etc.

Skin Diseases.

SURGERY

Part I.

Wounds—General Consideration Classification of wounds—The treatment of wounds—General considerations regarding aseptic technic—Technic of cleansing the surfaces of the body. Sterilization of mucous membranes—Sterilization of dressing wipes, gowns, etc.—The Sterilization of suture and ligature material—Water and cleansing solutions—The Operating room—The Aseptic Operation—General and local Anesthesia, Plastic Surgery.

Part II.

Infections of wounds and surgical Infectious diseases.—General considerations regarding wound infections—The local disturbances in wound infection—Hypersusceptibility and Anaphylaxis—Fever—Pyogenic Microorganisms—Examination of blood and wound secretions, etc., in connection with surgical infections—Entrance ports of Pyogenic infections—Pyogenic infections and their treatment—Pyogenic infections of the various tissues—General Pyogenic infections with Metastases (Metastatic infection)—The Putrefactive infections—Poisoned wounds—Rabies—Lyssa, Hydrophobia—Tetanus—Diptheria—Anthrax—Glanders—Malleus—Actinomycosis—Madura Foot—Blastomycosis Sporothrichosis—Tuberculosis—Leprosy—Syphilis—Scleroma—Botryomycosis

Part III

Necrosis.—Necrosis—General Considerations—Necrosis due to trauma—Necrosis due to pressure, constriction, strangulation and torsion—Necrosis from thermal and chemical causes—Necrosis from embolism and thrombosis—Necrosis due to chronic diseases of blood vessels—Necrosis of neuropathic origin.

Part IV.

Injuries of the soft parts, of bones and joints and their treatment.

Injuries—Mechanical injuries of the different tissues. Dislocations—Injuries to the Osseous system—Special fractures—Dislocation of the Vertebrae—Operations on bones and joints—Amputations—Gunshot wounds—Chemical injuries, Thermal injuries—General effects of injury—Delirium Tremens—Fat Embolism—Traumatic Diabetes.

Part V.

Surgical diseases other than infections and tumors. Surgical diseases of the skin—Diseases of muscles and tendons—Diseases of tendon sheaths and bursae—Diseases of the blood and lymph vessels—The ligature of Arteries in their continuity—Diseases of peripheral nerves—Diseases of joints—Diseases of bones.

Part VI.

Tumors.—Definition and classification—Etiology of tumors—Form, growth and clinical significance of tumors—The diagnosis of tumors in general—The treatment of tumors in general—The special tumors—Lipomata—Chondromata—Angiomata—Sarcomata.—Tumors composed of muscle—Rhabdomyomata—Tumors composed of nerve elements—Gliomata—Tumors developing from epithelium—Carcinomata—Malignant—Chorionic Epithelioma—Endothelial tumors—Mixed, tumors—Teratoid tumors— Teratomata.

Part VII.

Cysts. (excluding cystic tumors).—Cystic other than cystic tumors.

Part VIII.

Surgery of Deformities.—Congenital deformities—Malformations, developmental deformities and softening of the bones—

Congenital luxations and contractures—Torticollis—Kyphotic anomalies of posture—Deformations of the upper extremity—Deformities of the lower extremities.

Part IX.

Regional Surgery of the spine.—Geneal surgical conditions—Spina Bifida—Spondylitis—Injuries of the Spinal Cord—Spinal tumors—Surgery of the spinal roots—Laminectomy—Chordotomy.

Part X.

Surgery of the head.—The scalp—Surgery of the brain, its membranes and vessels—Contusions and wounds of the brain—Traumatic meningitis—Hernia of the brain—Abscess of the brain—Thrombosis of the intracranial sinuses—Epilepsy and its surgical treatment—Mental diseases following cranial injuries and the surgical treatment of mental diseases. The surgical treat·ment of brain tumors—The surgery of the Hypophysis Cerebri—the technic of trephining—Brain puncture, Resection of the skull, Craniectomy, Cranioplasty and Duraplasty—Craniocerabral Topography—Surgery of the ear.

Part XI.

Surgery of the face.—Congenital Malformations—Injuries of the face—Plastic surgery of the face, Neuralgias of the head—Surgery of the salivary glands—Diseases of the teeth and of the gums—Tumors of the jaws—Surgery of the Nose and its Accessory sinuses—Surgery of the mouth—Surgery of the Pharynx.

Part XII.

Surgery of the neck.—Malformations of the neck—Injuries of the neck—Diseases of the neck—Tumors of the neck—Surgery of the larynx and trachea—Wounds of the larynx and trachea—Foreign bodies in the air passages.—Inflammatory diseases, stenoses, and neuroses of the larynx and Trachea—Tumors of the larnyx, trachea, and primary bronchi—Operations on the air passages—Surgery of the Thyroid gland.

Part XIII.

Surgery of the Thymus gland.—Diseases of the Thymus Gland.

Part XIV.

Surgery of the Esophagus.—Examination of the Esophagus,

Part XV.

Surgery of the Thorax—Injuries and diseases of the thoracic wall —Pneumothorax—Penetrating wounds of the thorax—Surgery of the lung—Operations on the thorax—The Diaphragm.—Surgery of the Pericardium and heart—surgery of the breast.

Part XVI.

Surgery of the Abdomen.—Surgery of the abdominal wall— Surgery of the Peritoneum—Operations on the stomach and intestines—Injuries of the stomach and gut, foreign bodies—Gastric and Intestinal Fistulæ-Methods of examining the stomach and gut —Pyloric stenosis, Hourglass stomach, Congenital anomalies of the stomach—Ulcer of the stomach and Duodenum— Tumors of the stomach—Surgery of the intestines—Ileus—Appendicitis— Perityphilities Hernia—Surgery of the liver—Surgery of the spleen —Surgery of the Pancereas.

• Part XVII.

Surgery of the Rectum and the Anus.—Anatomical Considerations—Malformations of the Anus. Foreign bodies in the rectum —Fissura ani-Spasm of the Anus—Periproctitis, Fistula in ano.— Narrowing of the Rectum. Strictures, strictures of the anus— Hæmorrhoids—Prolapse of the rectum—Tumors of the anus and rectum.

Part XVIII.

Surgery of the female organs of generation.—Cogenital and acquired malformations.

Part XIX.

Surgery of the Genito-Urinary System.

Surgery of the kidneys, ureters and suprarenal glands. Surgery of the bladder—surgery of the Prostate (Glandula Prostatica)—Surgery of the penis and urethra—Surgery of the testicle and spermatic cord.

MIDWIFERY.

The Pelvis—Importance of study—Functions—Inclination— No. of bones—Difference between male and female—Fasle and true—Planes—Axes—Measurements—Articulations—Pelvis in infancy—Development,

2. Development of genital glands—Structure of ovary—Structure of Grafian follicle—Corpus Luteum—Menstruation—Ovulation—Fertilisation.

3. Early development of the ovum—Changes in the Uterus—Formation of decidua.

4. Further changes in the ovum —The Liq Amini—its functions—the allantois.

5. Formation of the Chorion and the Placenta—Full grown placenta and its functions—Demonstration —Umbilical cord.

6. Development of the Foetus—Circulation of the foetus—Foetal head—Diameters. Show early specimens of foetus.

7. Attitude-lie—presentation—position—causes of head presentation—change in maternal organism.

8. Size of uterus at periods of pregnancy—changes in the Cervix—changes in the breast—changes in the nervous system.

9. Diagnosis of preganancy—Symptoms—signs—differential diagnosis—duration of pregnancy—calculation of dates.

10. Hygiene of Pregnancy—Antenatal care—management of Pregnancy.

11. Labour—causes which determine it—Contractions—Retraction—polarity of uterus —causes of pain—premonitory symptoms—stages of labour.

12. Mechanism of labour—magnitude of force—vertex presentation—positions—movements -lateral obliquity —Synctytism moulding.

13. Diagnosis of positions—Abdominal palpation—vaginal examination—third stage of labour—duration of labour.

14. Management of normal labour—maternal and foetal mortality—Anæsthetic—Twilight sleep.

15. Face presentation—frequency —causes—varieties—diagnosis—brow presentation—causes—treatment of face and brow.

16. Pelvic presentation—causes—positions—mechaism. diagnosis—prognosis—management.

17. Multiple pregnancy—Binovular and Uniovular twiss—Triplets—acardiac monsters—double monsters—diagnosis —management.

18. The puerperal state—involution of uterus—lochia—afterpains—colostrum—diagnosis of puerperal state—Diagnosis of Parity.

19. The new born infant—changes in circulation after birth — management of puerperal state.

20. Ectopic gestation—varieties-causation—Tubal Foetation —Tubal abortion—Tubal rupture—intra-ligamentous foetation – Secondary abdominal—pregnancy in rudimentary horn,

21. Ectopic gestation—formation of decidua in Uterus—Expulsion of cast—symptoms—diagnosis—prognosis—treatment.

22 Disorders of pregnancy—classification—toxæmias—Hyperemisis gravidorum—Pernicious vomiting—acute yellow atrophy of liver.

23. Nephritic Toxæmia—Pre-Eclamptic Toxæmia—Diagnosis—Symptoms—treatmenet.

24. Eclampsia—frequency—mortality—urine-clinical history.

25. Pathological changes—causation—progonsis—treatment —Presumably Toxæmia.

26. Displacements—congenitial malformation of uterus and vegina—antiversion and flexion—Retroversion and flexion—Incarceration with retention of urine—prolapse of uterus and vagina.

27. Diseases of decidua and ovum—Endometritis—Hydrorrhœa Gravidorum—Anomalies of placenta—carneous mole—blighted ovum—symptoms, diagnosis—treatment.

28. Diseases of decidua and ovum—vesicular mole—symptoms—diagnosis—treatment—Hydropsamnii—anomalies of funis and fœtus—retention of dead fœtus.

29. Accidental complication of pregnancy--Heart and lung diseases—Pyleonephritis—jaundice--Hæmorrhages—Tumours—Malaria.

30. Premature expulsion of the ovum—classification—abortion—mechanism—causes—symptoms--incomplete abortion--diagnosis—prophylaxis—treatment.

31. Antipartem hæmorrhage--varieties--Placenta previa—varieties—causes—symptoms—diagnosis—treatment.

32. Accidental hæmorrhage -causes concealed variety—symptoms—Diagnosis—prognosis -treatment.

33. Precipitate labour—prolonged labour--causes—primary uterine inertia—Secondary uterine—-tonic contraction of the uterus—treatment.

34. Dystocia from anomalies of soft parts -Trismus uterii—organic rigidity—diagnosis—treatment –atresia cervix—organic rigidity—diagnosis—treatment—atresia cervix –cancers cervix displacement of tumours—complicating labour—distended bladder —Hæmatoma.

35. Transverse presentation—varieties—causes—diagnosis—natural terminations—neglected cases—treatment.

36. Complex presentations—dorsal displacement of arm—locked twins—Fœtal monstrosities—conjoined twins—varieties—Anencaphalic—Hydrocaphalic fœtus.

37. Contracted pelvis—forces of growth and development—pelvis at birth—common forms of pelvic contraction—diagnosis—pelaimetry—P. V. examination—results of contracted pelvis.

38. Contracted pelvis—classification—small round pelvis—mechanism—flat pelvis—mechamism—Rare forms of flat pelvis.

39. Effects of pelvis contraction on labour —treatment of contracted pelvis.

40. Rare forms of pelvis deformity—Triradiate pelvis—Osteomalacia pseudo malacosteon—oblique pelvis—varieties—diagnosis—treatment.

41. Transversely contracted pelvis—Roberts—Kyphotic—Mechanism of labour—High and low assimilation pelvis—Spondyloisthetic pelvis—Exostosis—treatment.

42. Induction of premature labour and abortion—indications methods—care of child—Incubator—artificial abortion—precaution—methods—choice of time.

43. Extraction of fœtus in pelvic presentations—Impacted breech—causes of impaction—indications for interference—delivery of trunk—liberation of arms—Traction on head—Prague method—jaw traction—injuries to fœtus.

44. Instrumental labour—instruments—demonstration—forceps—varieties—application—indications—Anæsthesia.

45. Version—cephalic—podalic—bipolar—indications—C Taniotomy—indications—method—instruments—Carnioclasm—version after craniotomy perforation of after coming head—Embrycutotomy.

46. Cæsarian section—varieties—indications—choice of time—preparation—Technique—Vaginal cæsarian section—Symphysiotomy—indications—dangers—preparations—external—sub-aneous—Hingston's method—Pubiotomy.

47. Accidents during labour—rupture of uterus—causes—Traumatic rupture—symptoms—diagnosis—prophylaxis—treatment—incomplete rupture—symptoms—perforation of uterus.

48. Laceration of cervix—Laceration of vagina and perenium preventions—suture—laceration vulva—rupture symphysis pubis—prolapse of funis—diagnosis—prognosis—treatment—inversion of uterus—causes—symptoms—treatment.

49. Retention of placenta—causes—adhesion of placenta—diagnosis—prevention—treatment.

50. Post partem hæmorrhage—source—causes—symptoms—prophylaxis—treatment—secondary post partem hæmorrhage.

51. Puerperal fever—Bacteria—Exciting and predisposing causes—varieties—Toxæmia—Septicæmia—Pyæmia—lesions——prevention—symptoms—treatment.

52. Embolism and Thombosis—Sudden death after delivery —Chorion Epithilioma.

53. Puerperal Insanity.

54. Injuries and diseases of the fœtus—Asphyxia Neonatorum —Opthalmia Neonatorum—disorders of lactation—Deficient seeretion—Galectorrhœa—Sore nipple—Abscess breast.

GYNÆCOLOGY.

1. Anatomy of the female generative organs.

2. Menstruation-case taking—examination—Major and Minor Gynæcology—Hysteria—Neuresthenia.

3. Cardinal symptoms—Hæmorrhage—pain—discharge-painful menstruation—Dyspareumia—Sterility.

4. Dysmenorrhœa—Vicarious menstruation—Amenorrhœa—primary—secondary—partial—complete.

5. Displacements—normal position mobility—structure of pelvic floor—Backward displacement.

6. Prolapse—types—cystocele—Rectocele—degrees—causes —symptoms—diagnosis—treatment.

7. Inversion—acute—chronic—Endometritis—varieties—cervical endometritis.

8. Subinvolution—laceration cevrix—Exfoliative and senile endometritis—chronic mastitis.

9. Fibro-Myomata—clinical features—diagnosis—secondary changes.

10. Fibro-Myomata—axial rotation—malignant changes—displacement of viscera—pregnancy complicating—treatment—adenomata.

11. Malignant tumours of the uterus—cancer cervix—sites—spread—types—diagnosis—treatment.

12. Cancer of body of uterus—Sarcoma—Chorionic Epithelioma—clinical feature—diagnosis.

13. Diseases of ovaries—Neuralgia—hernia—displacement—hæmatoma—tumours—classification—cysts—cyst adenmata—structure.

14. Papilliferus cysts—ovarian cancer—primary—secondary —fibrous tumours—Sarcoma—Endothelioma.

15. Teratomata—Cysts—Solids genesis.

16. Dermoids—contents—clinical features—Parovarian cysts —Cysts of Gærtners duct.

17. Axial rotation—infection—rupture—adhesions—clinical features of ovarian cysts—diagnosis—treatment.

18. Congenital abnormalities of Fallopian tubes—tumours-pelvic inflammation—terms—causes—changes in the tube—spread of inflammation.

19. Parametritis—Perimetritis—symptoms—diagnosis—Chronic cases—results of inflammation—examination—Differential diagnosis—treatment.

20. Gonorrhœa—mode of infection—spread—symptoms—diagnosis—Tubercle of Fallopain tubes, of cervix—Actinomycosis.

21. Diseases of the vagina and vulva.

22. Tumours—cysts—disease Bartholian gland—Carbuncle urethra.

23. Malformation of uterus—Hermophroditism—vesico-vaginal fistula.

24. Operations—Major—minor—preparation- -position—technique.

DISEASES OF INFANCY.

1. Care of the new born infant—Training—Care of premature and delicate infants.

2. Growth and development—Dentition—Peculiarities of Symptomatology and diagnosis.

3. Examination of children—Lavage—Gavage—Irrigation of bowel—Dosage.

4. Diseases of the newly born—Asphyxia—Jaundice—Atalectasis.

5. Acute infective diseases—Omphalitis—Opthalmia neonatorm—Tetanus—Winckel's Disease—Buhl's Disease.

6. Skin Diseases—Hæmorrhages—Birth paralysis—Tumours of the Umbilicus.

7. Infant feeding—Breast feeding—Diet of nursing mother—bottle feeding—Composition of human milk—Composition of cows milk—Pasteurising milk.

8. Preservation of milk—Proprietary Foods—Goat's milk.

5. Artificial food—Modification of milk—Care of feeding bottle—Character of normal stools.

10. Nutritional disturbances—daily weights—chart—Disturbances of balance—Failure to gain—Food tolerance—Diagnosis—Treatment.

11. State of dyspepsia—Symptoms—Treatment—Decomposition—Chronic Malnutrition—Treatment—Intoxication cholera infantum.

12. Coeliac disease Constipation Diarrhœa—Simple—Febrile Ileo colitis—Diagnosis—Treatment.

13. Deficiency Diseases—Vitamins—Infantile scurvy—Symptoms—Treatment—Morbid anatomy.

14. Rickets—Pathogenesis—Dietetic theory—Environomental Infective theory—Calcium metabolism.

15. Rickets—Symptoms—State rickets—Prognosis—Prophylaxis—Treatment.

16. Convulsions—Causes—symptoms—Treatment—Malaria in infants.

17. Spasmodic croup—True croup—Laryngismus stridulus. Diseases of the respiratory system.

18. Tetany—Encephalitis lethargica—acute anterior poliomyelitis.

19. Hypertrophic—stenosis of the Pylorus in infants.

20. Hydrocephalus—Meningitis.

OPHTHALMOLOGY.

History of Ophthalmology.

Eye-ball : its surrounding structures and accessories.

Eye-ball : its tunics and contents, structures of Cornea, Sclera, Choroid, Ciliary body, Iris and Retina.

Refracting media of the eye-ball—Aqueous Humour—Lens and Vitreous.

Eye-lid, lachrymal apparatus 2, 3, 4 and 6th cranial nerves.

Dioptrical consideration in healthy eye " Refraction in a biconvex lens—Refractive Index."

Image formation : optical defects of normal eye.

Quality of visual sensation, colour vision, colour fusion, binocular vision.

Perception and judgment of solidity, judgment of distance and size.

Visual acuity : distant vision, near vision. Snellen's test type letters and gaeger's. Field of vision, Perimetry, Pathological alteration in field of vision.

Opthalmoscope. Direct and indirect method of examination.

Retinoscope—Method of examination.

Diseases of eyelid : Blephritis Hordeolum Chalazion, Trichiases, Entropion.

Ectropion Ptosis, injuries and tumours, etc.

Diseases of Lachrymal apparatus : Epiphora, acute and chronic, Dachryocystitis and adenitis, Excision of lachrymal sac,

Diseases of structures surrounding the eye-ball : orbital periostitis, Cellulitis Tenoninitis. Exopthalmos. Enotpthalmos Pulsating Exopthalmos.

Anucleation of eye-ball, eviceration, artificial eyes.

Diseases of conjunctiva, Catarrhal, Purulent.

Membranous, Granula, Phlyctenular.

Conjunctivitis Symblephron Ptyregium.

Diseases of Cornea, Common and uncommon forms of Keratitis, Ulcers. Keratoconus Opacities, etc.

Diseases of Iris, Sclera, Ciliary body, Choroid :—

Iritis, Prolapse, Iredectomy, Staphyloma, Simple, Purulent, and Plastic Cyclitis choroiditis, Glaucoma, Priamry, Secondary, Congenital, Trephining operation.

Diseases of lens. Varieties of cataract of treatment and operations, Aphakia.

Diseases of Retina inflammation, Vascular. Pigmentary Retinitis, Tumours, Glioma.

Diseases of Optic nerve, Intra-ocular and retrobulber optic neuritis.

Functional diseases of Retina, Amblyopia and Hæmianopsia. General optical principles, Prisms, refraction by Prisms numbering of Prisms, Lenses, spherical, cylindrical, concave and convex. Numeration and Neutralization of lenses.

Trial cases of lenses. Spectacles, eyeglasses.

Measurements for glasses and frames and prescription writing for glasses.

Errors of refraction, Ametropia. Hypermetropia etiology subjective and objective symptoms—treatment.

Myopia, symptoms, treatment.

Astigmatism, simple, compound, irregular and regular tests and treatment.

Anamolies of accommodation, presbyopia, cycloplegia.

Errors in extrinsic ocular muscles. Diplopia, Paralysis, Divergent squint, Convergent squint.

Maddox Rod, Orthrophoria, Hetrophoria.

Operations on extrinsic muscles, Advanced Tentomy.

Mydriatics and cycloplegia.

Anæsthesia of eye, local and general.

Therapeutics of eye.

Instrumentology of eye.

Symptomotology of eye.

Bacteriology and vaccine Therapy of eye.

Practical Pathology, Preparation and staining of sections of eye and methods of preserving the eye specimens.

Preparing and nursing of eye cases. Dressing and other necessary materials for eye cases. Case taking.

L. M. & S. Preliminary Examination.

PHYSICS (Theoretical).

1. Mechanics—

General properties of matter; the three states of matter (solid liquid and gas); measurement of length, area, volume, mass, and time; displacement, velocity and acceleration; Newton's laws of motion and force; mass and weight; balance (ordinary and spring): centre of gravity; simple machines, (levers and pulleys); work and energy; fluid pressure; density and specific gravity; the principle of Archimedes; the barometer, air-pump, water-pump and syphon tube : Boyle's Law.

2. Heat—

The effects of heat on solids, liquids and gases; Thermometers (Fahrenheit, Centigrade and Reaumer) Charles' law of gases; calorimetry and specific heat; change of state and latent heat; heat of solution; humidity and dew-point; transference of heat (conduction, convection and radiation); the relation between work and heat.

3. Light—

Rectilinear propagation of light; laws of reflection; mirrors (plane, concave and convex); laws of refraction; prisms and lenses; the microscope and telescope; the eye, defects of vision; dispersion and spectroscopy; polarisation of light and polariscope.

4. Sound—

Propagation of sound through solids, liquids and gases; reflection of sound; interference of sound; velocity of sound by reflection; the ear and hearing; production of vocal sound; noise and musical sound.

5. Magnetism—

Properties of a magnet; methods of magnetisation; laws of magnetism (repulsion of like poles and attraction of unlike poles) maps of magnetic fields, (by iron filings); etc; Earth's magnetism.

6. Electricity—

Simple experiments on electrification; conductors and non-conductors; electroscope; electrostatic induction; condensers and Leyden Jars; simple voltaic cells; Grove, Daniel, Bunsen and Bichromate cells and accumulators; magnetic, chemical and heating effects of an electric current; simple galvanometers; electric bell; telephone; elementary notions of dynamos and motors; electric lighting and fan; conduction of electricity through gases; Cathode rays and X-rays; elementary notions of radio-active susbstances and their radiations.

Practical.

Length measurements by millimeter scale, Vernier, micrometer gauge and spherometer.

Determination of areas and volumes by measurement of linear dimensions.

Verification of the law of a simple pendulum ; determination of g.

Use of balance, sensitive to ·01 gram. Determination of volumes by weighing in water ; determination of capacities of vessels.

Specific gravities of solids and liquids ; use of hydrometer.

Determination of atmospheric pressure by taking readings of Fortin's Barometer and correcting for temperature.

Verification of Boyle's Law.

Determination of fixed points of a thermometer.

Curves of cooling ; melting points.

Determination of specific heats of solids and liquids. Latent heat of water and steam.

Determination of the dew-point by Regnault's and wet and dry bulb-hydrometers.

Verification of the Laws of reflexion of light.

Tracing the path of a ray of light through a block of glass and deduction of refractive index.

Focal lengths of concave and convex mirrors.

Focal lengths of convex and concave lenses.

Tracing the lines of force in a magnetic field by iron filings and also by means of a small compass.

Study of the simple cell, the Daniel and Leclanche.

Absolute measurement of current (i) by tangent galvanometer (ii) by electrolysis.

Measurement of heat developed by current.

Measurement of resistance of wires.

Comparison of frequencies of tuning forks.

Determination of velocity of sound by resonance of air columns.

CHEMISTRY.

Theoretical.

Inorganic—

Elementary and compound substances, mixtures, solutions, chemical action, the laws of Multiple and Definite proportions. Dalton's Atomic Theory, atomic weights, Dulong and Petit's Law. Combination of gases by volume. Avogadro's Hypothesis, Vapour density, determination of molecular weights,

Valency, relation between equivalent and atomic weights.

Boyle's Law, Charles' Law, Vapour Pressure, Diffusion.

Chemical symbols, formulæ and equations, calculations an easy nature.

Combustion and structure of flame.

Oxidation and Reduction.

Catalysis.

Outlines of the Periodic Law.

The chief physical and chemical characters, preparation and properties of the following elements and compounds with (as far as possible) proofs of the composition of the compounds :—

Hydrogen, water, hydrogen peroxide, Oxygen, Ozone.

Nitrogen, the atmosphere, ammonia, nitric acid and nitrates, nitrous acid and nitrites, the oxides of nitrogen, carbon, carbon-di-oxide, carbon mon-oxide, coal gas ; Chlorine, Hydrochloric acid, Chlorides, oxides and oxyacids of chlorine, bleaching powder, Bromine, Iodine, their hydracids and oxyacids, Flourine and Hydro-fluoric acid.

Sulphur, sulphuretted hydrogen, oxides of sulphur, sulphuric acid and the sulphates, sulphurous acid and the sulphites, thiosulphates.

• Phosphorus, Phosphuretted hydrogen, oxides of phosphorus, acids of phosphorus.

Boric acid, Silicon, Silica, Silicates, glass, arsenic, oxides and acids of arsenic.

A brief description of the following metals, brief account of their methods of preparation, their applications, chief compounds, uses and tests :—

Lithium, Sodium, Potassium, Ammonium radical, Calcium, Strontium, Barium, Magnesium, Zinc, Copper, Lead, Mercury, Aluminium, Silver, Tin, Bismuth, Antimony, Chromium, Manganese and Iron.

Organic.—

Systematic study of the modes of occurrence,. preparation, general properties and constitutional formulæ of the following :—

Methane, Ethane, Acetylene and their derivatives, *viz.*, haloid compounds, alcohols, ethers, aldehydes, ketones, monobasic acids, oxalic, succinic tartaric and of citric acids. Amines, amino acids, Clycine, Cane-sugar, Dextrose, Levulose, Cellulose, Starch, Glycerin, Fats, and vegetable oils, soaps, urea and uric acid, Benzene, its homologues and their chief derivatives, *viz.*, Nitro and Amino compounds, Phenol, Benzaldehyde, Benzoic acid, Salicylic acid, elementary knowledge of alkaloids.

Practical.

Students are expected to do the following experimental work. An account of each experiment must be written by the student in a special note-book and regularly initialled by the Demonstrator or the Professor-in-Charge. These note-books shall have to be submitted to the Examiner at the time of the University Examinations.

(1) Fitting up of simple apparatus.

(2) Simple chemical manipulations, such as, filtration, distillation, decantation, crystallization, etc.

(3) Use of the chemical balance.

(4) Preparation and properties of the following :—

Hydrogen, Oxygen, Carbon Dioxide, Ammonia.

(5) Qualitative analysis of single salts.

(6) Simple exercises in volumetric analysis, comprising (a) Alkalimetry and acidimetry (b) Estimation of ferrous iron and oxalic acid by means of—permanganate (c) Estimation of chlorine ions by means of silver nitrate (d) detection of elements in organic compounds, such as, C, H, N, O, S, P, and Halogens.

The following books are recommended :—

(1) Inorganic Chemistry by Alexander Smith.

(2) A class Book of Organic Chemistry by Cohen.

(3) A Course of Practical Chemistry to be compiled by Dr. Qureshi.

BIOLOGY.

Zoology.

The fundamental facts and laws of Biology. Distinction between animals and plants. Differentiation of structure, modification, and division of function of the cell. The elements of animal physiology. The fundamental fact of heredity, variation, environment, adaptation and evolution.

A general description and distinctive characteristics and life-history of the following :—

Amœba, Hydra, Earthworm, Mosquito, Spiny lobster, Frog, external features, dissection, digestive, circulatory, lymphatic, respiratory, skeletal, muscular, nervous system, and development of frog.

General characters of Aves.

General characters of Mammals.

Students are expected to keep a record of all practical work in a special laboratory note-book which will be liable to examination by the University examiners. The laboratory instructors should sign the result of each day's practical work.

BOTANY.

The distinguishing features of living and non-living bodies· Elementary knowledge of the structure of a vegetable cell. Chemical and Physical properties of protoplasm, direct and indirect division of a cell.

Elementary Morphology and Physiology.

General description of flower, inflorescence and fruits of the types studied.

Transpiration, respiration and absorption, carbon assimilation in plants.

Description and practical knowledge of the structure function and life-history of Yeast, Fern, maize, and sunflower.

Students are expected to keep a record of all practical work in a special Laboratory note-book which will be liable to examination by the University examiners. The laboratory instructors should sign the result of each day's practical work.

FACULTY OF ENGINEERING.

B. E. Examination.

1. PURE MATHEMATICS.

(1st Year).

Algebra.—Binomial theorem and its applications, Determinants, Partial Fractions, Exponential and Logarthmic series Summation of series : tests on convergence and divergence of series. Interest and annuities. Probabilities. Approximate solution of equations by Herner's method.

Trigonometry.—Solution of triangles. Practical use of Logarithms. Natural Logarithms. De. Moivres Theorem. Adaptation of formulæ to Logarithmic computation. Circular and Hyperbolic functions and their expansions.

Mensuration.—Plane and Solid.

Analytical Geometry.—Properties of and problems on the Straight line, the Circle, the Ellipse, the Parabola and the Hyperbola by Cartesian and Polar co-ordinates.

Solid Geometry.—Elementary Euclidean Methods.

CALCULUS.

Differential Calculus.—Fundamental notions with geometrical and mechanical applications. Theorems of Taylor and MacLaurin. Partial differentiation. Euler's Theorem. Maxima and Minima of functions of a single variable.

Integral Calculus.—Integration of standard forms. Calculation of curve lengths and areas. Integral as the limit of a sum and as an area. Volumes and surfaces of solids of revolution.

2. APPLIED MATHEMATICS.

Statics.—Concurrent and parallel forces, moments, couples, equilibrium of forces in a plane, Virtual work, Simple machines, the Pulley, the Wheel and Axle, the Differential Pulley, the Screw, the Balance, the steel yard. Stable and unstable equilibrium. Equilibrium of strings and chains. The parabolic chain. The catenary. Forces in three dimensions—Composition and resolution and simple problems.

Hydrostatics.—Transmission of fluid pressure. Thrust on a plane area. Centres of pressure. Resultant thrust on any surface. Equilibrium of floating bodies. Stability. Metacentre. Hydrometers. The general phenomena of capillarity elevation and depression. The principles underlying the action of the Suction Pump, the Force Pump, the Syphon, the Hydraulic Press.

Kinematics.—Displacement in one plane. Translation and rotation. Relative motion. Instantaneous centre of rotation. Composition and resolution of displacement. Velocities and accelerations. Rotation of a rigid body.

Kinetics.—Equations of motion, momentum, work, power, and energy. Simple harmonic motion in a straight line or a curve. Pendulums, simple and compound. Impact. Moment of inertia. Radius of gyration.

3. SURVEYING.

Surveying.—Use and adjustment of surveying instruments. Theory of levelling; simple and compound, check and reciprocal levellings. Various causes of errors. Customary causes of errors in levelling. Elimination of such errors. Customary limits of errors. Methods of keeping various styles of field book. Use of boning rods. Chain Survey. Chain and compass survey. Theodolite traversing by Gale's traverse system for city and town improvement surveys. Traverse tables. Theory and use of simple plane tables, tangent clinometers. Theory and use of stadia. Three point problems of plane tabling. Finding values of position by observing three known points. Computation by rectangular co-ordinates with convergency correction. Contouring. Longitudinal and cross sections run with a level. The general principles of alignment of tunnels; railways, canals and roads. Simpson's rule for cuttings and bankings. Discussions on the latest patterns of instruments.

4. ELASTICITY AND STRENGTH OF MATERIALS.

(1st Year).

Modulii of Elasticity ; elastic limit, yield point and ultimate strength, resilience and fatigue. Strain beyond elastic limit. Poisson's ratio. Relations between the elastic constants ; elementary principles of elasticity applied to the problems of bending, shearing and torsion. Strength of beams and girders. Factors of safety, Deflection.

5. BUILDING CONSTRUCTION.

(1st Year).

(a) *Materials*.

Stone.—Characteristics and preparation. Varieties of Indian and European stones and their suitabilty to Engineering works. Methods of quarrying. Use of compressed air and steam rock drills. Explosives used for blasting. Absorption of water. Densities and crushing strength.

Bricks and Tiles.—Different classes of bicks and their distinguishing qualities. Suitable clays.

Methods of manufacture of bricks and tiles. Objectionable ingredients in clays. Soundness and hardness. Uniformity of quality and size. Absorption of water. Weight and crushing strength. Terra Cotta. Stoneware pipes.

Cements, Limes and Mortars.—Sources of supply. Process of manufacture. Varieties of limes and cements. Tests for limes and cements ; precautions necessary in their use.

Clay Puddle.—Methods of making and placing in situ.

Metals.—Iron and Steel ; Varieties and suitability for use ; copper, zinc, lead, tin, and other common metals and their alloys.

Timber.—Felling and seasoning. Classification and properties of Indian and European woods. Preservation of timber against rot and attack by insects. Varieties of timber used in construction for different purposes and under varying conditions ; characteristics of sound timber ; density, tensile and crushing strength of different varieties of timber.

(b) *Construction*.

Foundation.—Natural and various kinds of artificial foundations, such as, piles, wells, and tubular foundations ; reinforced concrete rafts, etc. Coffer dams ; Caissons ; cast iron Cylinders ; curbs.

Stone Masonry.—Rubble masonry : block-in-course : ashlar of various sorts ; proper bedding of stones ; proportion of bond

stones ; safe loads, keyed, Joggle, and lock joints ; dowels ; plugs ; keys ; cramps ; methods of lifting ; scaffolding.

Brick Masonry.—Types and their uses ; object of bond, and various methods by which it is attained ; closers ; bedding ; moisture ; scaffolding ; plastering ; pointing ; coping ; cornice ; blocking course ; parapet ; carbel ; lintel ; reveal ; sill ; footing drip course ; pise walling ; grouting ; racking back ; hollow masonry ; reinforced brick work ; fixing of timber to walls.

Plastering.—Materials ; plastering mixtures ; stucco ; plane and rough cast ; fibrous plaster, ornamental plaster.

Arch work.—Centring and timbering-segmental, elliptic, 3 & 5 centred, pointed, ogee and horse-shoe, skew, hogback and stilted arches ; domes and vaults ; buttresses ; abutments ; striking centres.

Carpentry and Joinery.—The cutting up of logs for various purposes : shrinkage of timber ; joining of timbers to resist various stresses ; guiding principles for forming joints ; wedges, keys, pins, and spikes, etc.

Flat, Couple, Collar, Verandah, king and queen posts roofs.

Reinforced Concrete.—Fundamental principles governing the use of two materials in combination. Selection, compounding and testing materials employed. Regulations for reinforced concrete buildings.

6. EARTH-WORK AND FIELD ENGINEERING.

Earth-work.—Definitions. Contracts. Stability and properties of soils. Measurement and setting-out Instruments used. Section and volumes. Drainage. Puddling. Consolidation, Dressing and turfing. Rates, lift and lead.

Field Engineering.—(i) *Use of Spars.*—Various knots and lashings and the suitability of each to certain circumstances. Coiling and handling of ropes. Blocks and tackle. Reeving of blocks. Use of handspikes and rollers. Holdfasts. Guys. Use and construction of derricks, shears, gins, and trestles in placing girders or columns in position in building or for other similar work.

(ii) *Ground Tracing.*—General principles. Working plans for foundations on level ground and on slopes. Trenches with vertical and with sloping sides. Laying out buildings on the ground and similar practical instructions.

7. PHYSICS.

Revision of the I. Sc. course in physics with an advanced treatment of certain parts with reference to practical application,

Heat.—Calorimetry with radiation corrections. Critical temperature Hygrometry. Determination of J. Adiabatics and Isothermals. Pyrometry.

Light.—Photometry. The direct reflection and refraction of small pencils at plane and spherical surfaces. Passage through a lens. The Telescope and the Microscope. The Achromatic Lens. Polarisation.

Acoustics.—General laws relating to production of velocity of sound, pitch, intensity, and quality of a note, interference. echo, resonance, reverberation, and absorption.

Electricity and Magnetism.—Electric· charge. Potential and Capacity of Condensers. Discharge current. Quadrant Electrometer. Dry cells, Secondary batteries and behaviour in charging and discharging. Electromagnetic induction. Self induction. Induction coil. Elementary description of D. C. and A. C. dynamos and motors. Electric measuring instruments including Wattmeters. Magnetic properties of iron and steel Hysteresis. Definituion of magnetic flux. The magnetic field : direction and intensity. Methods of making magnets.

8. CHEMISTRY.

The general principles of qualitative analysis and elementary quantitative analysis. The properties and uses of certain metals and their important compounds.

The properties and composition of the common alloys, *e.g.*, gun metal, phosphor, bronze, brass, etc. Chemical composition and analysis of fuels. Refractory materials.

Quicklime. Hydraulic lime, Cements, their chemical composition and preparation.

Paints and Varnishes ; preparation and use of the common Pigments, etc.

Preparation of glass, Soluble glass, Porcelain, Pottery and bricks.

The general requirements of lubricants.

Natural waters, their chemical composition, analysis, bacteriological examination and suitability for various purposes.

Preservation of structural materials.

9. DRAWING.

Plane Geometry :—Use and care of Drawing instruments. Proportional division of a line. Construction of plane and diagonal scales and scale of chords. Construction of and problems relating to triangles, quadrilaterals, circles, polygons ; construction of the ellipse, tangents and normals. Parabola, hyperbola, cycloids, envolute of a circle, spiral, loci,

Solid Geometry and Projections :—Principles of Projection. Projection of points and lines. Traces, inclination and true length of a line. Traces and inclinations of planes. Sections of solids. Interpenetration of solids. Simple cases of intersection and development of plane and curved surfaces, and also of cast shadows.

Machine Drawing.—Drawings of simple machine parts such as bolts, nuts, cotters, screws, studs, etc. Forms and proportions of pipes and cylinder flanges, couplings, pulley and speed cones, cranks and link work, connecting rods, eccentrics, pistons, stuffing boxes and valves.

Free-hand and Model Drawing :—Elementary instructions in careful observation and accurate sketching in pencil from sketches and drawings and also from simple models and architectural details. Elementary principles of free-hand perspective drawing, free-hand perspective views of geometrical models in simple positions.

Perspective and Isometric Drawing :—The general theory of conical projection and its application to perspective. Plan and shadows, Isometric projections and sketches.

Building Drawing :—Plan, cross-sections and elevation of buildings drawn to scale.

Making out large scale drawings of building parts involving elementary principles of architectural art.

10. WORKSHOP.

Carpentry —Construction of hand tools and the object and methods of using them. Exercises in bench work and at the lathe.

Fitting.—Exercises in chipping, filing, scraping, screwing, and tapping. Use of scribing block, surface gauge and squares in marking out work.

Smithing.—The forge and its tools. Management of fire. Drawing taper, square and parallel work. Bending, up-setting, twisting, punching and cutting. Welding and scraping. Forging, hardening, and tempering. Soldering and brazing.

Foundry.—Moulder's tools, appliances and materials. The cupola. The brass furnace. Core-making. Bench moulding, blackening, coring finishing moulds. Vents, gates and risers. Special methods required for brass moulding. Floor moulding. Open sand work.

Machining.— Exercises in drilling and boring. Turning with hand and slide lathes. Planing. Slotting. Milling.

MATERIAL TESTING LABORATORIES.

(1st Year).

Metals.—Tests of specimens of iron, steel, cast iron, wrought iron, and various alloys in tension and compression.

Bricks, Limes, Mortars, Cements, and Timber.—Simple tests for specific gravity, absorption, strength under tension, compression, and shear for various proportions, and variation in time of setting.

11. PHYSICAL LABORATORIES.

Testing of spirit levels. Young's modulus of wires. Moments of inertia, Kater's rigid pendulum, pyrometric measurements, Thermal conductivity. Mechanical equivalent of Heat. Photometry, Intensity of Illumination, Ice pail test, Wheatstone's bridge, Potentiometer Kelvin's balance, Heating effects of currents. Electrolytic current measurements. Electro-magnetic induction.

12. CHEMICAL LABORATORIES.

Gravimetric analysis of iron, copper, zinc, calcium, magnesium, silicon, carbon dioxide. Qualitative and quantitative analysis of lime, cement and clays.

Technical analysis.—Physical and Chemical tests of oils, coal and water with a view to their suitability for use for Engineering purposes.

13. FUELS AND METALLURGY.

(1st Year).

Fuels.—Classification of fuels ; Solid, liquid, gaseous. Calorific values of fuels. Chemical analysis of fuels. Manufacture of charcoal. Manufacture of Coal-gas, its storage and purification. Storage of fuels. Selection of fuels for industrial purposes.

Metallurgy.—Outlines of the main metallurgical processes of the following metals, their chief uses and test :—copper, silver aluminium, lead, tin, antimony, iron, chromium, and manganese.

Simple Metallurgical Process.— Solid solutions, hardening, annealing, tempering, alloys, brasses, bronzes, and welding of metals.

Pig iron.—Its manufacture from ores, composition and uses Details of blast furnace and management.

Cast iron.—Composition of several kinds of cast iron and their strength in compression, tension, etc. Impurities in cast iron and their effect on sound casting and strength.

Mild steel.—Manufacture by Bessemer and Open Hearth processes. Influence of cast iron and other metals on the properties of the metal Simple tests for finding the quality of steel. Tempering and annealing process.

Wrought iron.—Its manufacture : properties and uses.

Other Metals.—Strength and properties of copper, lead, brass, and their alloys. Preservation of metals.

14. METALLURGICAL LABORATORIES.

Tests on extraction and purification of metals. Preparation and analysis of alloys. Technical examination of fuels. Determination of various constituents of steel such as carbon, silicon, manganese, etc.

15. DESCRIPTIVE MECHANICAL ENGINEERING.

Properties of materials. Description of steam boilers, steam, oil and gas engines, and steam turbines. Hydraulic machinery. Machines and machine tools.

16. DESCRIPTIVE CIVIL ENGINEERING.

Description of bridges, dams, canals, roads, water-works, building foundations, railways, harbours and docks. etc.

17. DESCRIPTIVE ELECTRIC ENGINEERING.

What we understand by an electric current. The use to which we may put the Electric current. Heating effects. Electric light. Magnetic effect. Measurement of Electricity and magnetism. Electro Magnetic Induction. Generator and motor. Elements of Electrostatics. High Tension effects.

18. THEORY OF MACHINES.
(*2nd Year*).

The laws of friction as affected by speed, pressure and temperature. Theory of the screw and nut. Pin and pivot friction. Friction brake and clutches. Belt and rope drives. Friction of greased surface.

Definition of a machine, machine elements and pairs, links, chains and mechanisms. Constrained motion. Translation and rotation. Instantaneous centres and centrodes. Virtual motion in mechanisms. Velocity and acceleration diagrams. Worm gearing and universal joint, Rack and Pinion Eccentrics. Valve diagram and Valve gears. Screw propulsion and its application. Primary balancing of steam engines.

Thermal units, Calorimetry and Calorimetric value of fuel. Behaviour of gases under isothermal and adiabatic expansion and compression.

Steam Engines.—Carnot's cycles. Perfect Heat Engine and Entropy. Hot Air Engines. Properties of saturated and super-heated steam. Steam jacketing. Elementary theory of steam engine. Efficiency of steam engine on various cycles. Elementary theory of steam turbines. Air compressors and motors.

Internal Combustion Engines.—Gas, oil, and petrol engines. Principles of working : strength of mixture, speed, point of ignition. Effect of compression. Refrigerating Plant. Elementary principles. Working substances.

20. HYDRAULICS.

(2nd Year).

Laws of equilibrium of fluids. Bernoulli's theorem. Flow of water through orifices and mouthpieces. Flow over notches of various section. Open and submerged weirs. Narrow and broad crested weirs. Bridge openings. Flow of water through pipes. Coefficients, mean velocity and discharge. Losses due to convergency and divergency of pipes. Venturimeter, valves, syphons, nozzles, bends, and thrust blocks, Canal locks. Flow of water through open channel. Variation of velocity in the cross section of a channel. Mean and limiting velocities. Coefficients, mean velocity and discharge. Waves. Back Water. Laws of fluid friction. Gauging the flow of water in open channels, and rivers.

21. ELASTICITY AND STRENGTH OF MATERIALS.

(2nd Year).

Stresses in beams and girders. Deflection. Torsional, strength and deflection of shafts and springs. Theory of shear stress. Repeated loading. Elementary theory of built-in-beams. Secondary effects of bending. The strength of cast iron, steels, bronzes, and brasses, and their mechanical and physical properties.

22. THEORY OF STRUCTURES.

(2nd Year).

Bending moments, shearing forces for fixed and moving loads. Stresses in framed structures, like cranes, roofs and bridges, trusses etc. Suspension bridges. Maxima and minima stresses in a joint due to eccentric loading. Stability of block work structures. Earth-work and Retaining walls, High masonry dams, Foundations, steel and masonry chimneys. Graphical problems arising out of the foregoing to be worked out by students on the drawing board.

23. PURE MATHEMATICS.

(2nd Year).

Analytical geometry of two and three dimensions.—Properties of the general equation of the second degree in two variables : direction cosines of a straight line. and problems thereon. Cylinder, Sphere and standard forms of second degree, surfaces.

Differential Calculus.—Tangents, normals, asymptotes, curvature. Tracing of curves from their cartesian and polar equations. Envelopes, Involutes, Evolutes.

Integral Calculus.—Double and treble integrals as applied to mass centres and moments of inertia, Plainimeters. Approximate evaluation of definite integrals (Simpsons rules).

Differential equations.—Formation of differential equations ordinary and partial. Solutions of the standard forms of equations of the first order. Linear equations with constant or homogeneous coefficients. Linear Simultaneous equations in two dependent, variables only. Standard forms of elementary partial differential equations.

24. APPLIED MECHANICS.

(2nd Year).

Statics, Hydrostatics, Dynamics.—Advanced treatment of the subjects taught in the first year with the help of Calculus, paying special attention to solution of Engineering problems.

25. ECONOMICS.

(2nd Year).

The data of political economy and methods by which they are studied. Relation of economic science to practice. The meaning of economic law. Demand and supply. Law of diminishing utility. Factors in production and their combination. Labour and natural agents. Increasing and decreasing returns. Capital, its influence and conditions of its accumulation. Value in relation to riches. Price, utility, and cost of production. Determinants of ratios of exchange. Element of cost. Complex problems of value. The theory of international and internal trade and its relation to home trade. The law of rent. Interest and profits. Theory of the value of money. The value of foreign bills.

26. Engineering Laboratories.

(2nd Year).

Material testing Laboratory.

Metal.—Bending, torsion, shear and deflection. Ultimate strength, yield point, and elastic limit. Effect of time and repetition of load. Ball hardness test co-efficients of expansion, critical speeds of shafts, etc.

Reinforced concrete.—Tests of reinforced concrete beams and slabs and columns in tension, compression, and bending.

Machine testing Laboratory.

(For Mechanical Engineering Students only).

The testing of lathes and other machine tools for determining their efficiency by the help of electrical instruments ; transmission and absorption dynamometers.

27. Electro-Technics.

(2nd Year).

Electric units. Measurements of electrical quantities. Current, E. M. F., Resistance, Electromagnetic, chemical, and heating effects of current. Elements of alternating currents. Transformers. A. C. and D. C. machines. Elementary theory of Dynamos and motors ; functions of their principal parts. Power transmission and distribution ; Electric lighting, Switch Board. Internal wiring for power and light. Testing for insulation. Resistance and localization of faults. Wiring rules. Electric heating apparatus. Capital and maintenance costs. Cost of wiring per unit, systems of charging for electrical energy.

28. Electro-Technics Laboratories.

(2nd Year).

The operation of alternating current and direct current machinery. Tests on the running characteristics. Efficiency tests. Applications of Electrical driving to industrial purposes. Transmission and conversion of Electrical Energy.

29. GEOLOGY AND MINERALOGY.

(2nd Year).

Discussion of the geological agents at work on and beneath the surface of the earth ; water; forest ; snow ; ice ; the atmosphere; chemical, mechanical and organic actions, Phenomena of earthquakes, volcanoes, elevation and depression of land. Geological functions of plants and animals.

The classification of the stratified crust of the earth ; the primary, secondary, and tertiary rocks, fossils and minerals. Essential constituents of common rocks, such as lime-stone, gneiss, micaceous and chloritic schists ; granite ; syenite trachtye, pumice ; sand stone ; slate, laterites, etc.

Description of bedding and joints ; inclination of rock ; dip, outcrop and strike, curvature : monocline, syncline ; anticline. Nature and origin of faults, veins and dykes. Igneous rocks. Metamorphism. Ore deposits, unconformability.

Indian Geology.—Mountain ranges, plains and rivers. Distribution of alluvium, trap, and crystalline rocks. Drift of Indian coasts. River drift of the Narbada and Tapti. Alluvial plains of the Indus and Ganges. Formation of Laterite and Regur, and their relation to vegetation. Rocks of the Siwalik Hills, and their pliocene mammalia. Nummulitic limestone and associated Tertiary strata in India. Distinctive fossils ; (1) marine, and (2) terrestrial of the Tertiary period. Marine cretaceous rocks : their mineral character and fossils. Volcanic rocks of the Deccan, and their interbedded deposits. The Jurassic rocks of Cutch. The lower Gondwana rocks of India. The Talchir series. The coalfields of the Gondwana rocks and their fossil plants. The marine Trias of the North of India. Relations of secondary to primary strata in India. Carboniferous rocks of the Salt Range. Vindhiyan and older stratified deposits. The Charnockite series of crystalline rocks. The gneiss and schists of South and Central India. General structure of the Himalayas.

Mineralogy.—Crystal form and symmetry ; division into systems ; their principal characteristics ; classification based upon (*a*) chemical composition, (*b*) physical properties, *e.g.*, specific gravity, hardness, cleavage, fracture ; phenomena relating to light ; simple description and identification of rock forming minerals, ores, veinstones, salts and gems.

30. DESCRIPTIVE CIVIL ENGINEERING.

(2nd Year).

This course is intended for lectures on estimating, descriptive engineering, reinforced concrete works, tunnels, harbours, locks, docks, bridges, cableways, foundations, roads, railways highways, pile driving, reclamation and dredging, etc,

31. Geological Laboratories.

(*2nd Year*).

The object of the Laboratory work is to acquaint the students to indentify the more common ores, salts and rock forming materials by the application of simple physical and chemical tests.

32. Irrigation.

(*2nd Year*).

(1) *Well Irrigation.*—Sub-soil water reservoirs. Lined and unlined wells. Artesian wells. Duty of wells. Area irrigable from a well. Duty of water. Base of duty.

(2) *Tank Irrigation.*—Catchment area. Rainfall, Yield. Maximum run off. Reservoirs for storage of water. Earthen dams. Masonry dams. Theory of their stability and design Absorption and evaporation. Losses in the reservoir. Open weirs. Flood gates. Sluices. Surface shutter. Undersluices Syphon, spillways. Silt accumulations and life of reservoirs. Flood absorption capacity of reservoir.

33. Water works.

Sources of supply.—Springs, wells, rivers, lakes, choosing the supply.

· Impounding storage and service reservoirs. Intakes, settling tanks, filters, rates of filteration. Various types of Mechanical filtration. Water towers.

Rising mains, expansion joints, losses in head, valves, service tanks, house connectons, meters, cisterns. General types of pumping installations used in India.

34. Civil Engineering Design. (Lecture).

(*2nd Year.*)

This course is intended to supplement the lectures on Theory of Structures, Irrigation, Reinforced Concrete, General Engineering Works. The course will include the design of masonry buildings and bridges ; steel buildings ; plate and lattice girder bridges ; steel arches ; suspension, cantilever and tubular bridges ; swing-bridges ; reinforced concreted structures ; retaining walls ; masonry dams ; aqueducts ; roof trusses : steel and masonry chimneys ; various kinds of foundations, etc,

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35. CIVIL ENGINEERING DRAWING AND DESIGN.

(2nd Year).

The students will be expected to submit complete designs and plates of a masonry building and a steel structure.

36. MECHANICAL ENGINEERING DESIGN AND DRAWING.

(2nd Year).

(For Mechanical Engineers only).

Advanced examples. Inking in. Shade lining. Flat washing in colour. Strip shading and soft shading. Tracing. Preparation of blue prints. Sketching. Preparation of working drawings from actual measurements of details and complete machines required in mechanical and electrical engineering. Proportional measurements and their meaning. Calculations of the proportions of machine details from given rules. Design of some simple machine.

37. LECTURE ON MACHINE DESIGN.

(2nd Year).

(For Mechanical Engineers only).

Principles of the strength of materials applied to the design of the parts of machines. Fastenings used in machine construction, bolts, screws, keys, cotters, rivets, and rivetted joints. Journals and bearings. Shafts, couplings and axles. Toothed gearing. Transmission of power by gearing, belting, ropes and chains. Design of pipes, cylinders, cranks, eccentrics, pistons, and piston rods, crossheads and slides, stuffiing boxes, flywheels and connecting rods.

38. HIGHER THEORY OF ELASTICITY.

(3rd Year).

Continuation of second year work on strength and deflection of iron including theorem of three moments, etc. Combined stress and strain. Stresses in Pipes and thick cylinders. Stresses in long columns. Eccentric loading. Euler's theory concerning struts, modification due to Rankine, Gordon and others. Stresses in rotating discs and shafts. Vibration in shafts. Critical speeds. Transverse and longitudinal vibration of structure. Deflection of framed structures by the theory of work.

39. HYDRAULICS.

(3rd Year).

Theory and design of centrifugal and reciprocating pumps. Valves and air vessels. Efficiency of pumps. Methods of lifting water by animal power. Chief types of simple and series pumps. Pulsometers. Hydraulic Bams.

Water wheels, Theory and design of Pelton wheel. of impulse and reaction turbines. Specific speed, best heads and quantities of water for the use of Pelton wheel. Governing of turbines. Draught Tubes.

Surge tanks. Their theory and application.

Calculation of afflux and back water curve. Standing waves. Application and use of Gould's function. Water hammer.

Hydraulic Transmission of power.—Accumulators. Valves· Hydraulic mains. Lifts, etc.

Theory of Dimensional Homogeneity.—Theory of dynamic similarlity and use of the co-efficient of viscosity. Calculations for model experiment on Pelton wheels. Hydraulic turbines. Centrifugal pumps. Ship resistances. Standing waves and propellers.

40. GEODESY.

Surveying.—Theory of curves. Curves laid out with the aid of angular instruments. Curves laid by linear measurements only, by chords and offsets, and by offsets inside the curve. Compound curves. Division curves. Vertical curves. Curve spiral or Transition curve. Double centre method for laying out a straight line, setting out pegs for earth work. Curves with given data to pass through ruling point. Introduction to spherical Trigonometry upto the solution of sphrecal triangles and the adaption of Napier's rules of circular parts.

Hydro-Electric Surveys :—Topographical maps, how to study and read them, areas suitable for water power schemes, preliminary reconnaissance, catchment areas, rainfall and run off. Barlow's percentages, approximate discharges of streams and rivers, capacity of water impounded, hydrographical methods of survey, pipe line alignment, tunnel alignment, forebay, transmis·sion line survey. Instruments used in reconnaissance, preliminary survey and final contour survey.

Astronomy :—Definition. System of celestial co-ordinates. The reasons for sidereal sun and the mean time.; acceleration ; retardation and equation of time; Julian and Gregorian Calenders; time and the various astronomical corrections.

The practical course consists in finding the meridian of a place by observations of the sun or a star at upper culmination by equal altitudes, by the sun or stars not on the meridian, and by circumpolar stars at elongation ; and in finding time by the sun or stars on the meridian and ex-meridian : and in finding latitudes by polaris, and circum-meridianal observations. Use and construction of Sun-dials.

41. HIGHER THEORY OF STRUCTURES.

Secondary stresses in structure. Theory of arches. Masonry arches. Hinged arches. Three point hinged arches. Resilience tests for failure of long struts. Suspension-bridges. Swing-bridges. Approximate method of finding stresses from indeterminate equations. Design of rivetted joints and stresses in boiler shells. The theory of least work and its application to the metal arch. Stresses in high masonry dams. Theory of earth pressure and of foundations.

42. IRRIGATION.

(3rd Year).

Canal Irrigation.—General description of Indian rivers. River discharges. Gauging silt and remedies against its excessive deposition. Kennedy's Theory and its applications. Garrats ables and diagrams.

Perennial and Inundation canal system. Duty of canal water and Base of Duty. Losses in a canal. Water logging and lining of canals to prevent loss.

Inundation canals.—When permissible. General description of such system. Location of take-off to avoid silting.

Perennial canals.—Sources and quantity of supply . · Location and design of headworks in boulders. Trough and delta stages of a river. Flood sluices. Head Regulators. Supply channels. Afflux Bunds. Temporary Diversion Bunds. Permanent Weirs. Automatic gates and shutters. Stony sluice gates.

Design and alignmemnt of canals.—Peculiarities of alignments of canal in plain and hilly countries. Determination of water-sheds. Falls. Bridges. Regulators. Escapes. Outlets. Roads. Distributaries and Minors. Their design and running.

Cross drainage works.—Maximum rate of run off from catchments. Inlets. Super-passages. Level crossings. Aqueducts. Syphons. Reservoirs.

River Training Works.—Spurs. Groynes. Bell Bunds. Stream line Bunds. Maltresses. Aprons.

43. REINFORCED CONCRETE.

(3rd Year).

Nature, uses, properties, advantages and disadvantages of Reinforced Concrete over other types of constructions. Assumption made in theory of stress in R. C. beams.

Theory and Design of simple beams, T-beams and slabs for different conditions of loading.

Shear, bond, and diagonal tension, its nature, evaluation, and location of reinforcement.

Design of doubly reinforced beams, and continuous beams. Theory and Design of R. C. Columns and piles.

Design of Slab foundations.

Design of simple cantilever and counterpart retaining walls.

Equivalent moments of inertia for R. C. sections.

Theory of Elastic deflections and outline of investigation of stresses in Reinforced Concrete Arches.

44. CIVIL ENGINEERING DESIGN LECTURE.

(3rd Year).

Continuation of 2nd year work. (See page 313).

45. ENGINEERING DESIGN.

The students will have to submit at least complete design and plates of one steel structure and one major irrigation work.

46. ACCOUNTS.

General principles of Book-keeping. Cash book and initial accounts of P. W. D. Control of works and operations of manufacture by means of accounts, cost sheets etc. Workshop accounts. The relation of spending officers, towards their superiors to sanction outlay and towards the auditing offices.

47. SANITARY ENGINEERING.

(3rd Year).

Sewerage, Sewage Disposal and Trade Waste.—General considerations in connection with the preliminary work of designing a scheme. Data necessary before scheme can be formulated. Methods of estimating the amount of sewage proper. Present and future population affected by scheme and circumstances modifying the same. Variation in rate of flow and causes of same. The

problem of inclusion or exclusion of existing sewer system. The
various systems of removal of sewage and their relative advant-
ages. The disposal of rain water. Past and present methods of
estimating rates of run-off. Intensity curves and Kuichling's
law. Absorption power of the usual classes of surface. Rational
method of calculating rainfall capacities of sewers. Effects of
shape and slope of area on run-off. Effect of storm water over-
flows. General discussion of discharge formulæ for sewers. Dis-
charge problems involving an increasing rate of flow. Self-
cleansing velocities. The use of comparative discharge diagrams.
Methods of gauging flow in existing sewers. Storm overflows.
Inverted syphons. Sewers under rivers, canals, and other ob-
stacles. Design of large sewers under external pressure. Tunnelling
through rock and water-logged ground. The design of junctions
of large sewers, sea and river outfalls. Automatic and other types
of pumping. Tidal gates. Ventilation. Timbering of trenches
and tunnels. Sewage disposal, general considerations. Varia-
tions of the problem due to geographical position of town-General
notes on sampling Bacteria and their relation to sewage disposal.
The malignant bacteria and their identification. Transmission of
bacteria. Methods of disposal by dilution, or by treatment and
subsequent discharge into running water. General composition
of sewage from an engineering point of view. Detritus tanks.
Screens. Sedimentation. Septic and hydrolytic tanks. Col-
loidal treatment. Chemical precipitation. Coagulation. Con-
tact beds. Activated sludge treatment. Percolating beds.
Sludge and its disposal. Humus tanks. Automatic dosing ap-
paratus. Various methods of collecting and disposing of solid
domestic and trades refuse. The transportation and handling of
refuse. Design and operation of refuse destructors.

48. HEAT ENGINE LABORATORIES.

(3rd Year).

(For Civil Engineers).

Steam Engine:—Experiments on high pressure and low
pressure boilers, horizontal and vertical steam engines, air com-
pressors, and steam turbines. Experiments on gas and oil-
engines.

49. ARCHITECTURE AND TOWN PLANNING.

General principles of Modern, Classic, and Indo-Sarasanic
architecture of civic, religious, business premises, theatres, muse-
ums, colleges and universities and other public buildings.

Town Planning.—General principles of town planning. Suitability of an area. Boundaries. Adoption of design to natural features. Allocation of area for the several classes of buildings, park and open space. Advantages and disadvantages of private open spaces. Improvement of existing conditions of cities. Design and construction of streets, side walks and curbs, markets, parks, cemeteries, and shade trees. Ornamenting and beautifying of towns.

50. SPECIFICATIONS AND ESTIMATING.

Estimating.— Rules for taking out quantities in earth work, masonry flooring, wood-work, mouldings, arches groyned roofs, domes, steel work, and plumbers work.

Calculation of probable quantities of materials required to be furnished for the completion of work.

Common rates and their analysis.

Rates for carriage of material by different means of transport. Specifications, contracts, and contract law.

Detailed estimates of some of the designs carried out by the students in the Civil Engineering Design Course.

Specifications.— Specifications of different kinds of stone and brick masonry, cement work, wood work, etc.

51. WORK MANAGEMENT.
(*For Civil Engineers*).

Evolution of engineering industries, examples of successful organisation. Economics of manufacturing and construction, Methods of remunerating labour, cost analysis. Conveyance of goods by rail, road and water : Economical methods of constructing civil engineering works under varying conditions. Productive and protective works. Systems of contract. Organisation of departmental works : economical lay-out of works and labour camps, sanitation, medical aid, water-supply, lighting. Recruitment and control of labour. General administration of large works with their labour camps.

52. THEORY OF MACHINES.
(*3rd Year*).
(*For Mechanical Engineers only*).

Altered mechanisms. Expansion of elements. Reduction of chains. Higher pairing involving plane motion. Spur wheel trains, cam trains, etc. Epicyclic and other forms of gearings. Differential gearing. Humpage gear. Various forms of teeth, shafts, couplings and axles. Friction of rest and motion. Friction of lubricated surfaces. Friction in mechanisms and efficiency of machines,

Rectilinear and rotational motion. Inertia, forces in machanisms, balancing of steam engines, I. C. engines, and locomotives, Gyrostatic action. Dynamics of the steam engine. Cyclical speed variation, Effort and resistance, steadiness : crank effort : governors and flywheels. Correction of indicated diagrams for acceleration. Secondary balancing pressure of the crank pin. Cushioning for acceleration. Stress in locomotive couplings rods connecting rods. Vibration. Effect of vibrations on the speed of engines. Transmission and absorption dynomometers.

53. ELECTRO-TECHNICS.

(for Mechanical Engineers only).

Direct current machnies.—Characteristics and performance of generators and motors. Starting. reversing. and regulation of motors. Details of construction. Switch boards. Auxiliary machines, general arrangements of plant and installation.

Alternating current machines.—Production of an alternating E. M. F. maximum and R. M. S. value of wave forms. Effects of resistance, inductance and capacity. Polyphase circuit. Power and power factor. Choke coils. Transformers. Alternators and motors induction. Transmission and distribution of electric energy for light and power. Wiring. Instalations and conductors. Cables. Systems of supply and distribution. Location of faults. Batteries. General principles of electric traction. Filament lamps : Arc and vapour lamps.

54. ELECTRO-TECHNIC LABORATORIES.

(for 3rd year Mechanical Engineers).

Tests on A. C. and D. C. instruments and circuits. Tests for characteristics, losses, and efficiencies of D..C. and A. C. machines, transformers, etc.

55. HIGHER METALLURGY.

(3rd Year).

Physical characters of metals. Changes resulting from heat and mechanical treatment. Pyrometry Metallography. Condition of equilibrium of Binary alloys. Electric smelting and preparation of steel.

56. METALLURGICAL LABORATORIES.

(3rd Year).

Experiments in roasting, fluxing, reduction, liquefaction, scorification, cupellation, amalgamation, etc., illustrating the various methods and processes employed in the extraction and

purification of metals. Preparation of alloys. Detection and estimation of the common metals, *viz.*, iron, copper, lead, silver, gold, tin, antimony, zinc, bismuth, managenese, in their ores by both the wet and the dry processes.

57. MACHINE TOOLS.

Construction and application of cutting tools. Shapes and speeds of cutting tools for various materials. Materials used for cutting tools and their heat treatment. Various machine tools and their uses. Lathes. planing machines, drilling machines, slotting machines, automatic and semi-automatic machines and their uses.

58 HIGHER THEORY OF THERMODYNAMICS.

The advanced Physics of Thermodynamics. The various laws of gases, and cycles of operation. History of the development of various cycles of operations.

The steam engine.—Behaviour of steam in metal cylinder. Cyclical flow of heat in the walls. Experiments of Callender and Nicolson Law of initial condensation. Law of valve leakage. Application of entropy and heat charts. Total consumption of an engine. Simple, compound and uniflow engines. Condensing and noncondensing engines. Effect on consumption, of speed, pressure, ratio of expansion and vacuum. Design and proportion of cylinders. Combustion of coal on a grate. The effects of rate of firing . Furnace temperature. Osborne Reynold's law of heat transference. Chimney temperature. Number of tubes. Draft. General description of the various types of high speed boilers.

Steam turbines.—Flow of steam through orifices and nozzles, the De. Laval turbines. The many stage impulse turbine. Rateau type. The few stage velocity turbine. Curtis type. The many stage reaction turbine. Parsons type. Combined types. Consumption and proportions. Effect of high pressure, superheat and vacuum. Strength of spinning discs. Governing.

Internal Combustion Engines.—Explosion type. More advanced parts of the theory of gas and oil engines. The variable specific heat theory. The standard cycle. Recent work on gaseous explosions. Various types of gas producers. Theory and practice of Air Compressors and Motors. Single and multi-stage. Refrigeration. Theory of refrigeration, and its application in practice. The use of Molliers I. chart Liquefaction of gases. The Humphrey Pump.

Diesel Type.—Theory and construction of the Deisal oil motors, with and without allowance for variation of specific heat with temperature. The various types manufactured. Effect on economy of speed and cylinder proportions. Semi-Diesels, Fuels available for Diesel Motors,

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Various types of evaporators and their efficiencies. General arrangement and construction of the more important types of generating plants.

59. Principles of Aeronautics and Aeroengines.

The importance of Aeronautics and possibilites of its development in future. Theory of stability of the Aeroplane, and principles of the design of wings. Relation between the wing area, and total load. Principles of the Fusillage design and determination of the speed and size of propellers, to give the most efficient results. General types and fundamental principles of Aeroengines.

60. Organisation of Industries and Work Management.

The evolution of engineering industries. Examples of successful organisation. The economics of manufacturing. Methods of remunerating labour. cost analysis and factory accounts, labour-saving devices, and systems of handling and controlling orders. Conveyance of goods of road, rail, and water. Legislation effecting engineering industries.

61. Machine Design and Drawing.

(For Mechanical Engineers only).

The complete design of a machine (snch as a steam or internal combustion engine, a pump, a turbine, or a machine tools) is worked out, and the requisite working drawings and tracings are prepared.

62. Heat Engine Laboratories.

(3rd Year).

(For Mechanical Engineers).

Same as for Civil Engineers (see page 318).

63. Machine Design Lectures.

(3rd Year).

The application of theory to practice in the design of modern types of steam boilers, steam engines, including the uniflow steam turbines and internal combustion engines, including " solid injection " type.

Faculty of Teaching
B. T. Examination.

School Organisation and Hygiene.

1. The physical condition of the child.

General considerations : Clothing, Cleanliness, Nutrition. Height and Weight.

Special defects and diseases. Defective Vision—Defective hearing. Ear discharges. Enlarged glands.

Defective teeth.

General diseases. Infectious diseases. Heart disease—Lung disease :—Bronchitis—Tuberculosis :—Anæmia—Head-ache— Diseases of the Skin—Deformities. Heredity and environment.

2. Special groups of School Children—Classification of School Children—Nervous Children, Backward Children, varieties and causes of backwardness—Backward Classes.

3. The Infant and the Infant School.

4. Physical Exercises and Games—Open air Education—The School building—Planning of the School : Ventilation and light. The class-room. The School Furniture. School cleansing, Sanitary conveniences. The Teachers' room.

• The playground :—Gymnasium.

The Teaching and Practice of Hygiene.

5. *School Administration and Organisation.*—Types and Grades of Schools. Curricula and aims—Village Education. Head-master and Staff. Distribution of work—Classification of pupils. Time-Tables. Home-work : Its purpose and organisation. The School Library. Examinations—Home and External Reports School Societies. Monitors or Prefects. Extra Curricular activities. Games. Scouts. Discipline :—Nature meaning and its relation to character and self-control. Rewards and Punishments. Out-of-school influences. Home and School.

Psychology of Education.

The Psychological basis of education.

The aim of Scientific Psychology.

The Nature of Educational Psychology.

Mental Heredity. Evidence for Mental Heredity. Inheritance of Acquired Characters.

Body and Mind. Study of the human organism. The different systems of the Organism—Organs of Response. Reception and Connection. Instincts, Disposition and Interests. Sensation and Image. Attention, Perception. Conception.

Appreciation. Imagination, Memory, Memory and Interest, Training of Memory. Suggestion. Emotional Development. Volition. The Laws of Learning. Improvement in Learning. Play. Imitation.

Habit Formation. Fatigue—Physical and Mental. Mental Tests.

Learning and Character. Formation of Character.

Discipline and Authority. The moral education of the young.

PRINCIPLES OF EDUCATION AND TEACHING.

Ideals and conceptions of the Aims in Education. The Elemental Educational Values. The various aspects of Education and their consideration.

The Curriculum of studies and its principles. The education value of the Humnaities and the Natural Sciences.

The syllabus of studies : Schemes of lessons : Lesson Notes and Teaching Notes.

Correlation in teaching. The logical and psychological order. Training of thought : Factors and methods. Discovery, verification and Proof : Definition and Language in education.

Technique in Teaching. Deductive and Inductive Development, Narration, Description, Explanation, Observation, Expression. Exposition and Illustration ; Questioning and Discussion. Individual and Group Work.

TWO OF THE FIVE TO BE TAKEN OF WHICH ENGLISH OR SCIENCE SHOULD BE ONE.

(a) The Teaching of English.

I. *General.*—Study of a language : the mother-tongue, a classical language, and a modern foreign language. Aims and values of these.

Object of teaching English— Its utilitarian and cultural values. Place of English in Schools. English as a medium of instruction and as the only subject of study. Standard of attainment required.

II. Teaching Methods : General Discussion : Principles of constructing a method. English as a foreign language.

(a) Reform method : its Principles, meaning and value with reference to the aim. Teachers' qualifications and their training. The devices of teaching. Use of the vernacular in instruction.

(b) Translation Method, its weakness. Traditional methods of language study and their defects. Translation in the teaching of a foreign language,

Principles for compromise.

(c) Oral Method : Aims and Principles. Oral work as a means to an end. Judgments of experts thereon. Conversation preliminary to Reading : Topics : Class-room objects ; persons, actions, and pictures.

III. *Reading.*—Effective Reading : its importance in life and its characteristics.

General objectives in Reading Instruction. Stages in School : Distinguishing characteristics, Aims and Procedure. Methods of explanation. Vocabulary problems. Appreciation and Memorization. Types of Oral Reading. Oral and Silent Reading. Dramatization. Individual and Group Reading. Training in Silent Reading. Use of the Dictionary, Words and Phrase Books.

Literature in the High School : General Aims, characteristics and needs of this stage. Plans and materials : Methods of treatment.

Aims and Practices in Teaching.

IV. *Grammar :*—Where and how to begin Formal Grammar : The Language Lesson a substitute. Grammatical distinctions and nomenclature. Grammar in relation to needs in Reading and Writing. The proper type of language lesson. Guiding principles. Inductive method. Use of Text-book. Plan of Development. Outline plan of language work and Grammar showing interconnections with the work in composition.

V. Handwriting. Outline Plan of work in the primary stages : Charts : copy-books : transcription : spelling, dictation ; punctuation and its importance. Attention to handwriting in note-books and composition.

` VI. Composition : Oral and Written in the primary stage, shortcomings and their causes. Need and value of oral work. First steps from the short sentence to the short paragraph. The sentence and its qualities : paragraphs : Nature, Problems, Build and Unity. Composition, a means and test of mental organisation. Composition not a separate study. Composition. Modificative, Recordative, Imitative and Creative. Types of composition in the ordinary school work. Narration and its problems. Description. The Letters, The Story Invention, Translation, Paraphrase. The Reproduction and Summary. Expansion and Condensation. Need of Literary Atmosphere. Teacher's aim and character and an attitude. Essay :—its preparative and present tative Process. Exposition and argument. Characteristics of each. Models. Teacher's correction and valuation of written exercises. Form and individuality in the work. The four elements to evaluate in the essay.

VII. Organization of English teaching in Schools. Time-Tables. Schemes of Work : Syllabuses. Notes of Lessons, Note books. Class-rooms. Libraries. Debates.

Advanced Course (Optional)

1. Phonetics. The value of phonetics—its importance to teachers in English. English Sounds— a study of their production. Methods of teaching.

Instrumental Phonetics. The talking Machine : The Dicta-phone, Radio, Physics, and Speech.

(2) Psychology and Pedagogy of Reading.

The Psychology of Grammar Teaching.

(3) (a) Reading Tests and their use in improving instruction, measurement of reading ability.

Standard tests in Silent Reading, Standarized Vocabulary Tests. Oral Reading Tests. Improvised Tests.

(b) Individual differences. Special grouping in a class-room. Prevention and remedy of individual reading deficiencies.

(b)   The Teaching of Mathematics

I. *Mathematics and Mathematical Knowledge* :—The nature and Scope of Mathematics ; its relation to other branches of knowledge. The value and aims of mathematical education. Utilitarian, Cultural, and Disciplinary. Modern views regarding the doctrine of formal discipline.

The acquisition of mathematical knowledge by empirical intuitional and rational processes. Working knowledge versus knowledge of the principles underlying the processes.

II. Causes of the inefficiency of mathematical teaching. Present conditions, remedies proposed.

·   III. The value of the study of history of Mathematics and Mathematical Teaching. The history of the following topics :—

The decimal notation, the metric system, directed numbers, function concept, parallel postulate. Modern tendencies in the teaching of School mathematics.

IV. Methods of Teaching Mathematics.

(a) The synthetic and the analytic methods : function of these methods, Geometric Analysis.

(b) The Deductive and the Inductive Methods. Induction in the class-room, value of the two methods.

(c) The Dogmatic and the Psychological Methods : Vigor, how far to be insisted upon.

(*d*) The lecture and the Heuristic Methods : dangers and disadvantages of the Heuristic Method : how to find proofs : how to introduce the Heuristic Method.

(*e*) The Laboratory Method. The Perry Movement ; Organisation and function of Mathematical Laboratories.

Means of securing speed and accurancy in Mathematical work—Mental, Oral and Written work.

V. *The content and organisation of School Mathematics.*—The organisation of school mathematics, primary, middle, and secondary.

Curriculum construction—Principles underlying. The Psycholigical versus logical order of development. The concentric versus the continuous development. Syllabus of Mathematics in the Primary, Middle, and Secondary Schools. Current tendenices in England, France, Germany and America. A detailed study of the H. S. L. C. and Osmania Matriculation Syllabuses in Elementary and Optional Mathematics—Correlation of Mathematics with other school subjects.

Mathematical Library and Mathematical Models.

VI. (*a*) Teaching of Mathematics in the Primary, and Middle Schools.

The aim, from concrete to abstract, planning work, Arithmetic and Nature, the four fundamental operations, the degree of skill needed, accuracy, and speed, drill problems, practical applications, out-door work, algebraic and geometric side of Arithmetic.

(*b*) The Teaching of Algebra.

General and special purposes : topics to be taken up ; relation of Algebra with Arithmetic : the central topic of Algebra, *viz.*, the equation : Algebra applied to physics, an outline order of treatment.

(*c*) The teaching of Geometry.

Special aims, mode of instruction, Euclid and its defects definitions, axioms, postulates. propositions ; method of proof ; importance of exercises; methods of attacking problems. Geometric analysis, Algebraic analysis.

VII. *Problems bearing on the conduct of Mathematical work.*—
The medium of instruction.
Text-books, their place and value, a critical examination of Text-books.
Notes of lessons and teacher's record of work.
Individual group and class teaching.
The Dalton Plan.
Problems and problem solving—collection of data for problems.
Home-work, note-books.
Examinations, valuation of answers.

(c). *Teaching of Science.*

I. Science : its characteristics and Philosophic foundations.

II. Reasons for the inclusion of science in the school curriculum.

III. Present condition of Teaching Science—Distinction between Science and Scientific Method.

IV. Aims and Methods of teaching in general.

V. Methods of Treatment in Class-room and the Laboratory.

    (*a*) Card method, (*b*) Problem method, (*c*) Project method.

    (*d*) Historical method, (*e*) Topic method, (*f*) Heuristic method, (*g*) Buxley's method and (*h*) Lab. method, (Dalton Plan).

VI. Instruction in the Laboratory. The pupil and his attitude. Teacher and his function, emergencies and accidents. Value of Laboratory work, Practical Note-book.

VII. Instruction in the Class-room. Use of lectures and Text-books. Experimental demonstration and their value. A few practical suggestions to the teacher.

VIII. The Technique of Laboratory management.

IX. The teacher, his preparation and development.

X. Nature and sequence of science study in school.

XI. Correlation of Science with other school subjects.

XII. Principles of outlining syllabuses, schemes of work. Schemes of lessons and notes of lessons.

XIII. New types of Examinations in Science—For advanced students (if offered).

    1. Nature of Scientific abilities.
    2. The measurement of scientific abilities.
    3. Psychology of Laboratory work.
    4. Scientific thought and scientific learning.
    5. Medium of Instruction.
    6. Conditions of Learning.
    7. Laboratory Technique and Preparation of apparatus.

(d). *Syllabus of Geography.*

1. Meaning of Geography, its essential principles. Geography of India to illustrate these principles.

2. The scope and purposes of Geography in schools and its educational values.

3. Geographical factors that influence the life, activities and progress of the people of any region,

4. Relation of Geography to the other subject of the curriculum, *e. g.*, Nature Study, Science, History, Mathematics Drawing.

5. The value and possibilities of observational and oral method work of instruction, out-door work, excursions and practical with special reference to the following—

(*a*) Keeping records.
(*b*) Map Drawing.
(*c*) Drawing of Statistical Diagrams.
(*d*) Drawing diagrams on the black-board.

illustrating various topics in Geography.

6. Importance of home geography and its use in teaching the geography of the World.

7. The place and use of a Text-book in Geography, and the use and misuse of maps.

8. The organisation of courses of study according to the classes and the methods of teaching different branches.

9. The preparation, organisation and conduct of a lesson.

10. Geographical equipment and apparatus.

Advanced Course in Geography—if offered.

1. Historical growth of modern geography and its pedagogy.

2. Psychological basis of geography. The laws of association and of satisfaction. Extension of experience through imagination.

3. The science of geography, a human science.

4. The principles of geography, (Physical and Human), Thorough study of the major natural regions of the world and topographical details.

5. *Practical work:*—True and Magnetic north. Representation of heights—Contours and Hachures, etc. Map projections. Humidity of the air and graphic representation. Rocks and their differentiation, use of chain, plane table and prismatic compass. Daily Weather report, etc.

(*e*) *Teaching of History.*

1. *History.*—What it is?

A. *The Scientific conception of History:*—

1. The Past and its traces—(*a*) Traditions and Remains. (*b*) Primary and Derived Sources. (*c*) Inadequacy of Sources.

2. The Historical Method—(*a*) External criticism. (*b*) Internal criticism. (*c*) Results of criticism. (*d*) Kinds of Synthesis.

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3. The earlier conceptions regarding History—(a) Heroda-
tus. (b) Thucydides, etc.

4. The Science of History—(a) Search for laws of Human
Action, (b) Generalisation and the question of what is important,
(c) The idea of Development.

5. History and Natural Sciences.

B. *The Pageant of History.*—Personal points of view.

C. A and B and their application to school students and
research scholars.

2. *History.*—its introduction to schools—A study of develop-
ment.

3. History—Why to Teach it ?   The question of aims and
values :—

(a) To study Social Development, (b) Study of Great
characters and types, (c) For mental Training, (d)   Moral aims,
(e) Making the Past real, (f) Making the Present intelligible,
(g) The estimation of the above aims in   relation to junior and
senior students.

4. History—The content of its scheme.

A. Relating to countries.

1. National History. 2. World History. History of
Important Nations—(a) Independent, (b) Dependent, etc.

B. Dealing with periods.

1. Primitive. 2. Mediæval. 3. Modern.

C. The question of selection.

5. History—its Aspects.

1. Social. 2. Economic. 3. Political. 4. Constitutional
5. Military, etc. 6. The question of choice.

6. History—The problem of grading.—

1. The doctrine of Natural Tastes and Interests. 2. The
Culture—Epoch Theory. 3. Presentation. 4. The four stages—
(a) Infancy and Childhood—The Age of Fancy. (b) Boyhood—
The practical age. (c) Early adolescence—The Age of Hero-
Worship, (d) Later adolescence—The growth of Communal Sense

7. History—the arrangement of the syllabus.

1. The Concentric plan. 2. Periodic or Topical arrange.
ment. 3. Chronological treatment. 4. Regressive presentation
5. Their value and application.

8. History—the scheme—some concrete cases examined.

9. History—the teacher of—

1. General attainment. 2. Special qualifications.

10. History—the teaching of—

A. Its Forms.

1. Oral. 2. Text-books. 3. Lecturing.

B. The methods of teaching.

1. Dramatic Narrative. 2. Problem method. 3. Source.

C. The Devices of Teaching.

Illustrations, Diagrams, Maps, Charts, etc.

D. Aids to Teaching.

Libraries, Museums, Exhibitions, Excursions, Local History

11. History—Teaching and Learning—

1. Expression. (a) Oral, (b) Written.
2. Learning by Doing.
3. Construction.
4. Questions.

12. History—Correlation with other subjects.

1. Geography. 2. Literature.

Advanced Course in the Teaching of History. If offered.

Psychological Process in the learning of History.
Measurement of attainment in History.
Economical Methods in the learning and Teaching of History.
The Historical Sense.
The Grasp of Historical Development.
Critical Examination of Sources.
Memory, Chronological and casual judgment as forms of mental activity cultivated.
History as a centre of correlation.

VI. HISTORY OF WESTERN EDUCATION AND EDUCATIONAL CLASSICS.

A period will be prescribed from time to time along with a set book or two. There will further be prescribed a book or two under Educational Classics.

VII. ONE OF THE THREE SHOULD BE TAKEN.

(a) *Comparative Education.*

SYLLABUS.

A comparative study of the modern Educational systems of the leading countries of the world. Indian Education shall form the centre of study and along with this the systems of two or

'hree leading countries shall be prescribed from time to time. ⁻he following will be the lines of study :—

Introductory—dealing with the historical aspects and general features of the systems.

Administration and control of Education.
Elementary Education.
Secondary Education.
Higher Education.
Industrial and Technical Educaton.
Professional Education, relating chiefly to the Training of Teachers.
Conclusion and outlook.

(b) *Experimental Education.*

1. What is Science ? Education as Science. Pioneers who made it a Science :—Thorandike, Binet and Simon, their contributions. Mental age as a unit of intelligence. Need for measurement and experimentation in education. Factors in the growth of measurement idea. The need for objectivity in examination questions.

Tests compiled to take the place of these examinations.

2. The meaning of educational tests :—Their characteristics, kinds and uses.

3. The criteria for selecting tests :—Validity, Reliability, objectivity, educational significance.

4. General rules for a testing Programme :—

Preparation, timing, scoring.

5. Constructing and using informal objective examinations in the class-room. Advantages and disadvantages of objective examinations.

6. Principles of constructing and using objective exercises. Practical use of results obtained. Classification of these tests.

7. Summarising the results of testing. Need for statistical constants, collection of data, classification and tabulation of scores, grouping of data, steps involved in preparing a frequency table, determining the range of scores, determining number and size of class intervals.

Measures of central tendency—Arithmetic mean and median for grouped and ungrouped series.

Measures of variability. Range, Semi-interquartile range, quartile deviation, standard and mean deviation for grouped and ungrouped series. (Only formulæ and their computation and not the proofs for the formulæ).

The relationship of Test scores. Meaning and need. Correlation tables. The product moment formulæ, correlation coefficient for grouped and ungrouped series.

Spearman's foot rule method for ungrouped series. The interpretation of the correlation coefficient. Uses of correlation in evaluating test material. Original capacities, their measurement and correlation with school subjects, correlation of school subject amongst themselves. Transference of Training and the use of correlation. Assignment of Relative and absolute ranks.

Test Norms and Standards. Their meanings and uses. Grade Norms and Age Norms and their interpretation. The place of tests in diagnosis and remedial teaching. The function of exact Diagnosis and criteria for construction of Remedial material. Diagnosis and Remedial Techniques : Arithmetic, Language, Construction of Tests, Use of the frequency curve and scaling the test.

Practical calculations based upon data given in Educational journals.

(c)   Child Education.

1.   Principles and Methods of Child Study—origin of child study—nature and   scope of child study—significance of infancy.

•2.   History of child education with special reference to Rousseau, Pestalozzi, Frœbel, and Montessori.

3.   Observation and study of children.

(1) Preliminary—(a) Ancestry, and (b) Environment.

(2) Physical Development—(a) Measurement, (b) General Features and nerve-signs, (c) Movements.

(3) Mental Development (a) Senses, (b) Various instincts and emotions.

4.   The stages of child development—(a) different periods, (b) Characteristics and interests of each period.   (c) Difference in treatment at different periods.

5.   Study of exceptional children and methods of dealing with them :—

(a) Classification, (b) Characteristics of Feeble-mindedness (c) Mental Intelligence Tests—(i) Individual and group tests—(Various types). (ii) Limitations and values of Intelligence Tests. (iii) Factors in Intelligence. (d) Backward and the precocious children—and the means of dealing with them.

6.   Play :—Theories of play and play-methods, significance of the play spirit—Age differences in play interests.   Free and organised play—play a practical life—different kinds of games for young children.

7. Fatigue :—kinds—causes—signs—remedies and treat·
ment—School subjects and Fatigue.

8. Sense Perception :—Difference between adults and child·
ren-sense organs and their defects—early care of the senses—
training in perception—perception tests—Teaching suggestions.

9. The child under five and how to deal with him—special
treatment—curriculum—nature interests—Physical training and
language.

10. The child over five and how to deal with him—stories read·
ing, form and number, nature interests and educational hand-work.

11. Correlation in the teaching of various subjects and dis·
cussion of different methods.

II. PUBLICATIONS OF THE TRANSLATION BUREAU.

No.	Author's or Compiler's Name	Name of Book	Translator's name	Remarks
		INDIAN HISTORY.—(General).		
1	Hashimi, Sayyid	Matriculation History of India.		
		INDIAN HISTORY - HINDU PERIOD.		
2	Davids, T. W. R.	Buddhist India. (S. N. S.)	Sayyid Sajjad	
3	Hashimi, Sayyid	Intermediate History of India Volume I.		
4	Imperial Gazetteer	Vol. II : Chs. VIII and IX	Sayyid Ghulam Rabbani.	
5	Ragozin, Z. A.	Vedic India. (S. N. S.)	H. A. Ansari.	
6	Smith, V. A.	The Early History of India	Md. Jamilur Rahman.	
		INDIAN HISTORY : MUSLIM PERIOD.		
7	Abul Fazl	The Ain-i-Akbari, Vol. I.	Fida Ali	Under revision.
8	Do	The Ain-i-Akbari, Vol. II.	Do	Do
9	Beni Pershad	Jehangir		To be translated.
10	Fergusson, J.	Indian Saracenic Architecture.	Sayyid Hashimi	In Press.
11	Ferishta	History of the Rise of the Muslim Power in India. Vol. I.	Do	With Notes by Sayyid Hashimi.
12	Do	Do Vol. II.	Do	Do
13	Do	Do Vol. III.	Do	Do
14	Do	Do Vol. IV.	Do	
15	Hashimi, Sayyid	Intermediate History of India Volume II.		In Press.
16	Do	Intermediate History of India Volume III.		

No.	Author	Title	Translator	Remarks
17	Sultana Begum, Khajista	Tarikh-i-Timuria	..	Under revision.
18	Moreland, W. H.	India at the Death of Akbar: an economic study.	Md. Habibur Rahman	
19	Moreland, W. H.	From Akbar to Aurangzeb Mughal Empire.	Sayyid Hashimi	
20	Motamad Khan Bakshi, Mirza Md.	The Iqbal-Namah-i-Jahangiri	Abul Wila Muhammad Zakaria	In press.
21	Mustaid Khan, Muhd. Saqi	Maasir-i-Alamgiri	Fida Ali	
22	Nasiruddin Haidar, Mirza	The Babar Namah (Memoirs of Babar).		
23	Saleh Kamboo Muhammad	Amal-i-Saleh Part I	Fida Ali	Under revision.
24	Do	Do , Part II	Do	Under translation.
25	Thomas, E.	Revenue Resources of the Mughal Empire.	Abdul Sattar	Under revision.
26	Ziauddin Burni	Tarikh-i-Feroz Shahi	Fida Ali	Do

INDIAN HISTORY : BRITISH PERIOD.

No.	Author	Title	Translator	Remarks
27	Anderson, G.	British Administration in India	Md. Elias Burney	Do
28	Anderson, G. and M. Subedar...	The Development of an Indian Policy (1818-1858)	Abdul Sattar	Do
29	Ascoli, F. D.	Early Revenue History of Bengal and the Fifth report (1812).	Do	Do
30	Dodwell, Henry	Dupleix and Clive	Masood Ali	
31	Griffin, Sir. L.	Ranjit Singh (R. I. S.)	Nazir Husain Faruqi	
32	Hashimi, Sayyid	Intermediate History of India. Volume IV.		
33	Horne, E. A.	The Political System of British India.	Sayyid Najib Ashraf Nadavi.	Do
34	Hunter, Sir W. W.	Dalhousie. (R. I. S.)	Sayyid Md. Ahmad.	
35	Hutton, W. H.	Wellesley (R. I. S.)	S. M. Shawkat	
36	Keene, H. G.	Madhava Rao Sindhia (R.I.S.)	S. M. Abdus Salam	
37	Lyall, Sir A.	The Rise and Expansion of British Dominion in India.	Do	

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No.	Author's or Compiler's Name	Name of Book	Translator's name	Remarks
88	Malcolm, Major General, Sir J.	The Political History of India, Vol. I.	Ibn-e-Hasan	In press.
39	Do　do	Do	Do	Do
40	Malleson, Col. C. G.	Vol. II. Clive (R. I. S.)	Ibn-e-Hasan.	
41	Marshman, J. C.	An Abridgment of the History of India—British Period	S. M. Abdus Salam	
42	Seton Karr, W. S.	Cornwallis (R. I. S.)	Abdul Sattar	Under revision.
43	Stephen, J. F.	Nuncomar and Impey. Vol. I.	Md. Haider and Sayyid Hashimi and Abdul Sattar	Do
44	Do	Do Vol. II.	Abdul Sattar	Under translation.
45	Trotter, Capt. L. J.	Warren Hastings (R. I. S.)	Ibn-e-Hasan	

ENGLISH HISTORY.

No.	Author's or Compiler's Name	Name of Book	Translator's name	Remarks
46	Buckley, A.	History of England	Zafar Ali Khan and S. A. Raza.	
47	Green, J. R.	A Short History of the English People. Vol. I.	Qazi Talammuz Husain.	
48	Do	Do Vol. II.	Do	
49	Do	Do Vol. III.	Do	
50	Do	Do Vol. IV.	Do	
51	Do	Do Vol. V. Epilogue	Do	
52	Ransome	Advanced History of England.	Sayyid Hashimi	Under translation.

EUROPEAN HISTORY.

No.	Author's or Compiler's Name	Name of Book	Translator's name	Remarks
53	Fyffe, C. A.	A History of Modern Europe Volume I.	Qazi Talammuz Husain.	Under revision.
54	Do	Do Volume II.	Qazi Talammuz Husain & Sayyid Hashimi.	Do

55	Do	Volume III.	Sayyid Hashimi	In press.
56	Gooch, G. P.	Volume IV.	Do	Do
57	Grant, A. J.	History of Europe	H. A. Ansari.	Do
58	Hassal, A. H.	The Balance of Power 1715-1789	Do	
59	Johnson, A. H.	Europe in the Sixteenth Century, 1494—1598.	Md. Rahimuddin	Under revision.
60	Lodge, G.	The Close of the Middle Ages, 1273—1494.	Mirza Ali Yar Khan.	,, translation.
61	Philips, W. A.	Modern Europe, 1815—1899	Rashid Ahmad Siddiqi	
62	Stephens, H. M.	Revolutionary Europe, 1789—1815.	Hasan Abid Jafari	
63	Thatcher, O. J. and F. Schwill.	A General History of Europe, Part I.	Abdul Majid, Haidar Yar Jung, and Qazi Talammuz Husain.	
64	Do	Do Part II.	Qazi Talammuz Husain.	
65	Wakeman, H. O.	The Ascendancy of France, 1598—1715	Sayyid Fakhrul Hasan	

GREEK HISTORY.

66	Abbott, E.	Pericles and the Golden Age of Athens.	Md. Enayatullah	
67	Adolf Holm.	History of Greece. Vol. I.	Haroon Khan Sherwani.	In Press.
68	Do	Vol. II.	Do	
69	Do	Vol. III.	Do	In Press.
70	Do	Vol. IV.	Do	Under translation.
71	Bury, J. B.	History of Greece	Seyyid Hashimi	
72	Ferguson, W. S.	Greek Imperialism	Md. Enayatullah	
73	Pickard-Cambridge, A. W.	Demosthenes	Qazi Tajammul Husain	

ROMAN HISTORY.

74	Bury, J. B.	The Student's Roman Empire.	Sayyid Hashimi
75	Firth, J. B.	Constantine	Md. Enayatullah
76	Heitland, W. E.	The Roman Republic, Vol. I.	H. A. Ansari.

No.	Author's or Compiler's Name	Name of Book	Translator's Name	Remarks
77	Heitland, W. E.	The Roman Republic, Vol. II.	H. A. Ansari	
78	Do	Do Vol. III.	Do	
79	Do	Do Vol. IV.	Do	
80	Do	Do Vol. V.	Do	
81	Pelham, W. F.	Outlines of Roman History	Do	

ISLAMIC HISTORY.

No.	Author's or Compiler's Name	Name of Book	Translator's Name	Remarks
82	ابن الاثير الجزري	الكامل في التاريخ (الجزء الاول)	Md. Jamilur Rahman.	
83	,,	,,	Sayyid Hashim Nadvi	
84	ابو جعفر محمد ابن جرير الطبري	اخبار الرسل والملوك (الجزء الاول)	Sayyid Ahmadullah..	In Press.
85	,,	,,	Do	Under translation.
86	ابو الحسن علي المسعودي	مروج الذهب	Sayyid Muhammad Ibrahim Nadvi	In Press.
87	,,	التنبيه و الاشراف	Abdullah Emadi	
88	ابو جعفر محمد ابن جرير الطبري	اخبار الرسل والملوك (الجزء الثاني)	Haidar Yar Jung Br.	
89	,,	,,	Sayyid Md. Ibrahim.	

No.	(Arabic)	(Arabic)	Editor	Status
90	‫"‬	‫"‬	Do	..
'91	‫"‬	‫"‬	Do	Under translation.
92	‫أبوعبدالله محمدبن سعدبن تاريخ يعرف‬	‫اللفظ ابن سعد جلد اول طبقات‬	Abdullah Emadi	..
93	‫"‬	‫"‬	Do	..
94	‫"‬	‫"‬	Do	
95	‫أبي العباس ابن المرزبان‬	‫نفح الطيب‬	Sd. Abul Khair Maududi. Md. Khalilur Rahman	Under revision.
96	‫شرح ديوان ابن الفارض (حصد بن يحيى)‬	‫شرح الدلائل والنهايه ح جلد‬	Sd. Abul Khair Maududi.	In Press.
97	‫بلال بن رباح‬	‫تاريخ ابن خلدون ح‬		Under revision.
98	‫عبد الكريم شهرر‬	‫تاريخ الاسلام جلد اول‬	Do	
99	‫"‬	‫"‬	Do	
100	‫(قاضي ابو يوسف)‬	‫كتاب الخراج‬	Do	Do

No.	Author's or Compiler's Name	Name of Book	Translator's Name	Remarks
101	(فون) عمر بن حمیقہ	حیات الحیوان الکبری	Sy. Abdul Khair Maududi.	In Press.
132	ماوردی (القاضی ابی الحسن)	تیسیر السلطہ ام الحکم	Sayyid Md. Ibrahim Nadvi.	Do
103	بمقری نی	تاریخ بمقری نی	Sd. Abul Khair Maududi.	Under translation.
104	Jonquiere, de la ..	Histoire de l'Empire Ottoman Vol. I.	M. Pickthall, Shaida Muhammad and Hamiduddin.	In Press
105	Do ..	Histoire de l'Empire Ottoman Vol. II.	Do	Under revision.

GEOGRAPHY.

No.	Author's or Compiler's Name	Name of Book	Translator's Name	Remarks
106	Enayatullah, Muhammad ..	A Historical Geography of Spain.	..	
107	Le Strange, G. ..	Lands of the Eastern Caliphate (C. G. S.)	Md. Jamilur Rahman	In Press.
108	Do ..	Palestine under the Muslims ..	Sayyid Hashimi	
109	Marsden, E. and T. A. Smith ..	Geography for Senior Classes. Vol. I.	Do	
110	Do ..	Do Vol. II.	Do	

POLITICS.

No.	Author's or Compiler's Name	Name of Book	Translator's Name	Remarks
111	Barker, E. ..	Political thought from Spencer to To-day.	Qazi Talammuz Husain	Under translation
112	Bluntschli, J. K. ..	The Theory of the State	Do	

113	Dunning, W. A.	Political Theories, Ancient and Medieval.	Do	Under revision.
114	Do	Political Theories from Rousseau to Spencer.	Do	Under translation.
115	Do	Political Theories from Luther to Montesquieu.	Do	Under revision.
116	Jenks, E.	A History of Politics. (T. P.)	Abdul Qavi	
117	Leacock, S.	The Elements of Political Science.	Qazi Talammuz Husain.	
118	Low, Sydney	The Governance of England	Do	Under translation.
119	Ogg, F. A.	The Governments of Europe	Do	Under revision.
120	Pollock, F.	An Introduction to the History of the Science of Politics.	Raham Ali	
121	Sarkar, B. K.	The Political Institutions and Theories of the Hindus.	K. C. Roy Saksena	Under translation.
122	Seeley, J.	Introduction to Political Science.	Qazi Talammuz Husain.	In Press.
123	Sidgwick, H.	The Development of European Polity.	Do	Do

ENGLISH CONSTITUTION.

124	Adams, G. B.	The Constitutional History of England.	Abdul Majid	Under translation.
125	Bagehot, W.	The English Constitution	Qazi Talammuz Husain.	
126	Chambers, A. M.	A Constitutional History of England.	Sayyid Ali Raza	
127	Montague, F. C.	The Elements of English Constitutional History.	Do	

ECONOMICS.

128	Banerjea, P.	A Study of Indian Economics	Md. Elias Burney	Under revision.
129	Bastable, C. F.	The Theory of International Trade.	Rashid Ahmad	

No.	Author's or Compiler's Name	Name of Book	Translator's Name	Remarks
180	Dutt, Romesh	The Economic History of India : Early British Rule	Md. Nasiruddin	Under revision.
181	Do	The Economic History of India : Victorian Age.	Do	Under translation.
182	Elyas Burni, Muhammad	Indian Economics		
183	Do	Principles of Economics		
184	Ingram, J. K.	History of Political Economy	Rashid Ahmad	Under revision.
185	Moreland, W. H.	An Introduction to Economics for Indian Students.		
186	Shirras, G. F.	Indian Finance and Banking	Md. Elias Burney	Under revision.
187	Taussig	Principles of Economics Vols. I and II.	Rashid Ahmad	Under translation.
188	Todd, J. A.	Mechanism of Exchange	Do	Under revision.
189	Withers, H. C.	The Meaning of Money	Do	Do

PHILOSOPHY.

No.	Author's or Compiler's Name	Name of Book	Translator's Name	Remarks
140	Boer, Dr. T. J. De	The History of Philosophy in Islam.	Mirza Md. Hadi	
141	Hoffding, H.	History of Modern Philosophy Volume I.	Khalifa Abdul Hakim	In Press.
142	Do	Volume II.	Do	Do
	Do	Philosophy of Religion	Do	Under translation.
143	Iyengar, P. T. Srinivasa	Outlines of Indian Philosophy	Ehsan Ahmad	In Press.
144	Kuipe, O.	Introduction to Philosophy	Mirza Md. Hadi	
145	Rappoport, A. S.	A Primer of Philosophy	Mir Valiuddin	
146	Renan, Ernest	Averroes et l'Averroisme	Mashuq Husain	
147	Russell, B.	Problems of Philosophy (H. U. L.)	Md. Muinuddin Ansari	
148	Webb, C. J.	A History of Philosophy. (H. U. L.)	Ehsan Ahmad	
149	Weber, A.	History of Philosophy.	Khalifa Abdul Hakim	
150	Windelband, Wilhelm	History of Ancient Philosophy.	Do	Under translation.
151	Shahbuddin	Hikmatul Ishraq	Mirza Md. Hadi	

LOGIC.

No.	Author	Title	Translator	Status
152	Fazl Imam	Mirquat ..	Sayyid Hyder Husaini ..	
153	Joseph, H. W. B.	An Introduction to Logic, Part I.	Mirza Md. Hadi ..	
154	Do	Do Part II.	Do	
155	Ray, P. K.	Logic ..	Md. Husain and Abdul Majid ..	

METAPHYSICS.

No.	Author	Title	Translator	Status
156	Bergson, Henri	An Introduction to Metaphysics. ..	Abdul Bari Nadvi ..	In Press
157	Descartes, Rene	A Discourse on Method ..	Do ..	Under revision.
158	James, William	Pragmatism ..	Do ..	Do

PSYCHOLOGY.

No.	Author	Title	Translator	Status
159	Angell, J. R.	Psychology ..	Mutazid Waliur Rahman. ..	
160	James, William	The Text-Book Psychology ..	Ehsan Ahmad ..	Under revision.
161	Do	Principles of Psychology Vol. I.	Do ..	Under translation.
162	Do	Do Vol. II.	Do ..	
163	McDougall, William	An Introduction to Social Psychology. ..	Mirza Md. Hadi ..	In Press.
164	Do	Outlines of Psychology ..	Mutazid Waliur Rahman. ..	
165	Do	A Primer of Physiological Psychology. ..	Do ..	
166	Morgan, C. L.	An Introduction to Comparative Psychology.	Do ..	
167	Stout, G. F.	The Groundwork of Psychology	Mirza Md. Hadi ..	
168	Do	A Manual of Psychology ..	Abdul Bari Nadvi ..	
169	Ward, James	Psychological Principles ..	Mutazid Waliur Rahman. ..	

No.	Author's or Compiler's Name	Name of Book	Translator's Name	Remarks
		ETHICS.		
170	Aristotle	The Nichomachean Ethics	Mirza Md. Hadi	In Press.
171	Bentham Jeremy	An Introduction to the Principles of Morals and Legislation	Do	To be translated.
172	Dewey, J. & J. H. Tufts	Ethics.	Abdul Bari Nadvi	In Press.
173	Mackenzie, J. S.	A Manual of Ethics	Do	
174	Mill, J. S.	Utilitarianism	Mutazid Waliur Rahman.	
175	Plato	The Republic	Mirza Md. Hadi	Under revision.
176	Do	The Phaedrus, Lysis and Prolagoras of Plato.	Do	Do
177	Rogers, R. A. P.	A Short History of Ethics	Ehsan Ahmad	Do
178	Sidgwick, H.	A Short History of Ethics	Do	Do
179	Stephen, Sir Leslie.	The Science of Ethics	Do	Do
		LAW.		
180	Abdul Rahim, Sir.	Muhammadan Jurisprudence.	Masood Ali	
181	Amir Ali, S.	Students' Handbook of Muhammadan Law.	Sayyid Ali Raza	
182	Anson, Sir W. R.	Principles of the English Law of Contract.	Hosain Ali Mirza	Under translation.
183	Dicey, A. V.	Law of the Constitution	Masood Ali	Under revision.
184	Masood Ali	Dictionary of Law Terms and Phrases.	Masood Ali	Under Compilation.
185	Ghose, J. C.	The Principles of Hindu Law	Rai Baijnath	
186	Leage, R. W.	Roman Private Law	Mahboob Ali	
187	Maine, H. S.	Ancient Law	Masood Ali	
188	Salmond, J. W.	Jurisprudence, Part I.	Sayyid Ali Raza	Under revision.
189	Do	Do Part II.	Do	
190	Underhill, A.	Law of Torts	Rai Baijnath	In Press.
191	Westlake, J.	A Treatise on Private International Law.	Masood Ali	

LITERATURE.

No.	Author	Title	Translator	Remarks
192	Church, R. W.	Bacon	Sayyid Shabbir Hasan Khan Josh.	..
193	Raleigh, Sir Walter	Shakespeare	Do	..

MATHEMATICS.

No.	Author	Title	Translator	Remarks
194	Besant, W.H. & A. S. Ramsay	Treatise on Hydro-Mechanic Part I, Hydrostatics.	Md. Naziruddin.	In Press.
195	Burnside, W.S.& A.W.Panton.	Theory of Equations, Vol. I	Do	Under revision.
196	Do	Do Vol. II	Do	Do
197	Chrystal, G.	Algebra. Part I.	Do	To be translated.
198	Do	Algebra. Part II.	Do	Do
199	Cockshott, A.& F.B. Walters	Geometrical Conics	Qazi Muhammad Husain.	..
200	Edwards, J.	Differential Equations	Do	..
201	Gibson, G. A.	Elementary Treatise on the Calculus. Part I.	Do	..
202	Do	Do Part II.	Do	..
203	Grace J. H. & F. Rosenberg.	Analytical Geometry	Do	..
204	Hall, H. S. and S. R. Knight	Higher Algebra. Part I.	Do	..
205	Do	Do Part II.	Shaikh Barkat Ali	..
206	Hall, H. S. & F. H. Stevens	Plane Geometry	Qazi Muhammad Husain.	..
207	Do	Solid Geometry	Do	..
208	Hobson, E. W.	A Treatise on Plane Trigonometry.	Md. Naziruddin	To be translated.
209	Loney, S. L.	An Elementary Treatise on Statics (Higher).	Shaikh Barkat Ali	..
210	Do	Dynamics of a Particle and Rigid Bodies.	Do	Under revision.
211	Do	The Elements of Dynamics	Khan Fazal Md. Khan	..
212	Do	The Elements of Statics	Do	..
213	Do	The Elements of Hydrostatics	Qazi Md. Husain	..
214	Do	Plane Trigonometry Part I.	Do	..

No.	Author's or Compiler's Name	Name of Book	Translator's Name	Remarks
215	Loney, S. L.	Plane Trigonometry. Part II	Shaikh Barkat Ali	
216	Muhammad Husain, Qazi	Graphs and Equations		
217	Parker, G. W.	The Elements of Astronomy	Shaikh Barkat Ali	Under revision.
218	Todhunter, I. & J. G. Leathem	Spherical Trigonometry	Md. Naziruddin	
		PHYSICS.		
219	Abdul Rahman Khan, Md.	A Course in Mathematics for Physics Students.		Under compilation.
220	Allen, H. S. & H. Moore	Practical Physics. Part I. Properties of Matter and Heat.	Wahidur Rahman	In Press.
221	Do	Practical Physics. Part II. Sound and Light.	Md. A. Rahman Khan	
222	Do	Practical Physics. Part II. Magnetism and Electricity.	Do	
223	Duncan, J. & S. G. Starling	Text-Book of Physics, Part I. Properties of Matter.	Nasir Ahmad	
224	Do	Part II. Heat.	Sayyid Abdul Jalil	
225	Do	Part III. Light.	Md. A. Rahman Khan	
226	Do	Part IV. Sound	Do	
227	Do	Part V. Magnetism	Do	
228	Do	Part VI.Electricity	Do	
229	Gregory, R. & H. E. Hadley	A Class Book of Physics. Part I. Fundamental Measurements	Chowdri Barkat Ali	
230	Do	Part II. Heat.	Do	
231	Do	Part III. Light.	Do	
232	Do	Part IV. Sound.	Do	
233	Do	Part V. Magnetism	Do	
234	Do	Part VI.Electricity	Do	
235	Gregory, R. & A. T. Simmons	Lessons in Science. Part I.	Do	
236	Do	Do Part II.	Do	
237	Schuster, A & C. H. Lees	Practical Physics, Part I.	Md. A. Rahman Khan	
238	Do	Do Part II.	Do	
239	Do	Do Part III	Do	

CHEMISTRY.

No.	Author	Title	Translator	Remarks
240	Baily, C. H. & H. W. Bausor	Matriculation Chemistry, Part I.	Chowdri Barkat Ali.	
241	Do	Part II.	Do	
242	Do	Part III.	Do	
243	Bruce, J. & Harry Harper	Practical Chemistry		Under translation.
244	Caven, R. M. & G. D. Lander	Systematic Inorganic Chemistry	Mahmud Ahmad Khan, Khwaja Habib Hasan	Under revision.
245	Cohen, J. B.	A Class Book of Organic Chemistry Vol. I.		Under revision.
		Do Vol. II.	Do	
246	Do	Organic Chemistry	Sardar Baldev Singh	In Press.
247	Do	Practical Organic Chemistry	Hakim Ali	Do
248	Do	Theoretical Organic Chemistry.	S. M. Azam	Under translation.
249	Do	Outlines of Chemistry	Mahmud Ahmad Khan	
250	Fenton, M. T. H.		Chowdri Barkat Ali	
251	Gregory, R. & A. T. Simmons	Lessons in Science		Under compilation.
252	Muzaffaruddin Qureshi	A Course of Practical Chemistry		
253	Partington, J. R.	A Text-Book of Inorganic Chemistry.		Under translation.
254	Smith, Alexander	Inorganic Chemistry. Part I.	D. M. Qureshi	
255	Do	Inorganic Chemistry Part II.	Chowdri Barkat Ali	Do
256	Walker, J.	Introduction to Physical Chemistry.	S. M. Azam / Firozuddin Murad	In Press.

BIOLOGY.

No.	Author	Title	Translator	Remarks
257	Borradaile L. A.	Elementary Zoology for Medical Students.	Md. Sayeeduddin	Under translation.
258	Lowson and Sahni	The Text-Book of Botany	Do	Under revision and partly in Press.
259	Marshall and Hurst	Practical Zoology.	Md. Rahimullah	Under translation.
260	Parker and Bhatia	Text-book of Zoology	Md. Rahimullah	Under translation.
261	Rangachari, R. B. K.	Practical Botany	Abdul Bari	In Press.
262	Thomson, J. A.	Outlines of Zoology	Baber Mirza	Under translation.

MEDICINE.

No.	Author's or Compiler's Name	Name of Book	Translator's name	Remarks
263	Berkely	Midwifery	Dr. Md. Khalilur Rahman.	Under translation.
264	Cunningham	Manual of Practical Anatomy	Dr. Fazl Karim Khan	In Press.
265	Do	Do Vol. II.	Dr. Mufti Shah Nawaz	Do
266	Do	Do Vol. III.	Dr. Fazl Karim Khan	Under revision.
267	Dixon and Mann and William Brend	Medical Jurisprudence	Dr. Md. Husain	Under translation.
268	Dorland	Dictionary of Medicine	The Terms Committee	Under revision.
269	Ghosh Birendra Nath	A Treatise on Hygiene and public health	Dr. Md. Osman Khan	Do
270	Ghosh. Rakhaldas	Materia Medica Part I. (pp. 1-814.)	Dr. Hasan Ali Khan,	Do
271	Do	Do Part II. (pp. 315-690).	Dr. Hamid Husain and Dr. Gulam Dastagir	Do
272	Gray, Henry	Anatomy Part I.Embryology, Histology and Osteology.	Dr. Md. Ashraful Haq.	Do
273	Do	Anatomy, Part II. Myology, and Syndesmology.	Do	Do
274	Do	Anatomy. Part III. Angiology.	Hakim Qabiruddin	In Press.
275	Do	Anatomy Part IV. Neurology	Dr. Fazl Karim Khan	Under revision.
276	Do	Do Part V. Splanchnology.	Dr. Md. Osman Khan	Do
277	Green	Manual of Pathology and Morbid Anatomy,	Dr. Fazl Karim Khan.	Under translation.
278	Halliburton, W. D.	Essentials of Chemical Physiology.	Dr. Mufti ShahNawaz	In Press.
279	Do	Handbook of Physiology. Part I. (pp. 1-312).	Dr. Enayat Ali Khan.	Do
280	Do	Handbook of Physiology. Part II. (pp. 318-636).	Md. Ali Shah.	Do

281	Do	Handbook of Physiology, Part III. (pp. 637-936).	Dr. Sayyid Nasir Abbas.	In Press.
282	Muir, R. & James Ritchie	Manual of Bacteriology	Dr. Multi Shah Nawaz	Under translation.
283	Rose and Charles	Manual of Surgery	Dr. Mukthar Husain	Under revision.
284	Schafer, Sir E, Sharpey.	Experimental Physiology	Dr. Md. Osman Khan.	
285	Do	The Essentials of Histology Part I.	Do	
286	Do	Do Part II.	Do	Under translation.

ENGINEERING.

287	Cunningham, Lieut-Col. A.	Applied Mechanics. Vol. I.	Zia-uddin Ansari	In Press.
288	Davidge, H. T. & R. W. Hutchinson	Technical Electricity.	Bala Pershad and Afzal Ali Rhan	Do
289	Ellis, Col. W. M.	Irrigation	Md. Razaullah	Do
290	Faber, O. & P. G. Bowie	Reinforced Concrete Design : Practice.	Md. Hafizullah	Do
291	Faber, O. & P. G. Bowie	Reinforced Concrete Design : Theory.	Zia-uddin Ansari	Do
292	Geikie, James	Structural and Field Geology.	Mirza Md. Ali Beg	Do
293	Goodman, John	Mechanics Applied to Engineering.	Dildar Husain	Do
294	Harrison, Major J. H. C.	Applied Mechanics Vol. II,	Zia-uddin Ansari	Do
295	Lamb, Horace	Infinitesimal Calculus	Qazi Md. Husain and Kishen Chand.	
296	Lea, F. C.	Hydraulics	Nematullah	Do
297	Love, Col. H. D.	Do	Do	Do
298	Mitchell and Davey	Forty Lessons in Engineering Workshop Practice.	Dildar Husain	Do
299	Pierpoint, A. E.	A Mensuration for Indian Schools and Colleges Part I.	Md. Azizur Rahman	
300	Do	Do Part II. and III.	Do	Under translation.
301	Rhead	Metallurgy	Abdullah Hasan	Do
302	Ripper, William	Steam-Engine : Theory and Practice.	Mahmood Alum and Zia-uddin Ansari	
303	Roorkee Treatise Section. I.	Building Materials	Md. Asadullah	In Press.

No.	Author's or Compiler's Name	Name of Book	Translator's Name	Remarks
304	Roorkee Treatise Section II	Masonry	Manzoor Hasan	Under translation
305	Do III	Carpentry	L. M. Mukerji	In Press.
306	Do IV	Earthwork	Manzoor Hasan	Under translation.
307	Do V	Examples of Estimating	Muhammad Husain Mahajir	Do
308	Do VI	Building Construction	Md. Azmatullah	Under revision.
309	Do VII	Bridges	Ghulam Md. Khan	Do
310	Do VIII	Roads	Do	Do
311	Do IX	Railways	Masood-ullah	Under translation.
312	Do X	Irrigation Works Vol. I.	Sayyid Ali Raza and Sami-ullah Shah	In Press
313	Do X	Do Vol. II.	Do	Under translation
314	Do XI	Sanitary Engineering Part I. Water-Supply.	Ahmad Mirza	In Press
315	Do XII	Do Part II. Sewerage and Drainage Works.	Do	Do
316	Do XIII	Drawing Manual, Part I.	S. Abdul Rahman	Do
317	Do XIII	Do Part II.	Do	Do
318	Do XIV	Surveying Part I.	Lokandar Bahadur. and Md. Raza-ullah	Under translation
319	Do XIV	Do II.	Do	Do
320	Vredenburg, E. W.	A Summary of the Geology of India.	Mirza Md. Ali Beg	In Press
321	The Terms Committee, Osmania University	A Collection of Technical Terms		

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28. Urdu Ghashti, Kutubkhana.
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III RECOGNISED HIGH SCHOOLS.

A. High Schools.

1. City High School, Hyderabad.

2. Osmania High School, Darul Ulum, Hyderabad.*

3.	Do	Nampalli, Hyderabad.
4.	Do	Aurangabad.*
5.	Do	Nanded.
6.	Do	Shah Ali Banda.
7.	Do	Jalna.
8.	Do	Bir.
9.	Do	Parbhani.
10.	Do	Gulburga.*
11.	Do	Osmanabad.
12.	Do	Raichur.
13.	Do	Mahbubnagar.
14.	Do	Hanamkonda.
15.	Do	Nalgonda.
16.	Do	Karimnagar
17.	Do	Jagtiyal.
18.	Do	Medak.
19.	Do	Bidar.

20. Mufid-ul-Anam School, Hyderabad.

| 21. | Do | Matwada. |

22. Asafia High School, Malakpet.

23. The State High School, Bhopal.

*N.B.—*Prepare students for the Matriculation Examination of the Faculty of Theology also.*

B Middle Schools (permitted to prepare students for the Matriculation Examination).

1. Osmania Middle School, Darushshafa, Balda.

2. Do Matwada.

3. Do Khammam

4. Do Bhongir.

5. Do Nirmal.

6. Do Latur.

7. Do Nizamabad.

8. Do Udgir.

9. Do Sangareddi.

IV. LIST OF SUCCESSFUL CANDIDATES.

FACULTY OF ARTS.

MATRICULATION EXAMINATION 1337 F.—(1928).

Roll No.	Name	Class	School	Remarks
75	P. Ramchandra Reddy	I	Darul-Uloom High School	
447	Muhammad Abdul Samad Khan	I	Aurangabad High School	
238	Mir Akbar Ali	I	Parbhani High School	
64	Qazi Muhammad Abdul Baqi	I	Darul-Uloom High School	
72	V. P. Venkata Chari	I	do	
8	Khawja Hasan	II	Govt. City High School.	
12	Muhammad Abdul Hai	II	do	
20	Muhammad Habibur Rahman	II	do	
21	Sayyid Ferasat Husaini	III	do	
23	Muhammad Fasihuddin	III	do	
29	Muhammad Ekramul Haq Siddiqi	II	do	
31	Muhammad Fasihuddin son of Nizamuddin	II	do	
35	Mulpadi Sadashiv Reddy	III	do	
36	Madvaram Ram Kishen Rao	III	do	
37	Rawada Mahadeo	Completed	do	
39	Sayyid Abdui Jalil	do	do	
40	Muhammad Sharaffuddin	do	do	
41	Sayyid Abdul Aziz	do	do	
42	Mirza Mahmud Ali Beg	do	do	
43	Sayyid Peer Padshah Qadri	do	do	
44	Mirza Zafarul Hasan	do	do	
45	Madhava Chari	do	do	
46	Samiuddin Ahmad	II	Darul-Uloom High School.	
50	Muhammad Abdul Rahman Siddiqi	II	do	
51	Sarfaraz Ahmad Salehi	II	do	

No.	Name		
58	Abu Nasr Sharafuddin Khalidi	III	do
55	Zahiruddin Ahmad	II	do
56	Muhammad Abdul Rahman son of Md. Ali	III	do
57	Sayeed bin Obood bin Tahir	II	do
59	Muhammad Wajid Ali Khan	II	do
60	Ghulam Mahbub Chishti	II	do
65	Muhammad Abdul Ghani	II	do
66	Mirza Mahmud Ali Beg	II	do
67	Muhammad Husain Emadi	II	do
68	Sayyid Qasim Ali	II	do
69	Sayyid Abdul Hamid Razvi	II	do
70	Abu Muhammad Ghayasuddin	II	do
71	Jamin bin Salim bin Mahfuz	II	do
73	Ram Rao	II	do
74	Gowardhan Pershad	II	do
76	P. Ramachandra Reddy son of Venkat Reddy	II	do
77	Marup Venkat Ram Rao	III Completed	do
78	Muhammad Abdul Qadir	do	do
79	Sayyid Ismail	do	do
80	Sayyid Osman Ali	do	do
81	Muhammad Rahmatullah Khan	do	do
82	Muhammad Karimuddin	do	do
83	Sayyid Amjad Ali	do	do
84	Sayyid Ghulam Musthafa	do	do
85	Muhammad Hasanuddin Khan	do	do
87	Muhammad Fakhruddin	do	do
88	Muhammad Abbas	do	do
89	Muhammad Ibrahim	do	do
90	Muhammad Zafar Ali	do	do
93	Ahmad Abdul Qayyum Siddiqi	do	do
95	Sayyid Muhammad Ahsan	do	do
96	Ahmad Khan	do	do
98	Muhammad Mukarramuddin	Passed	do

Roll No.	Name	Class	School	Remarks
99	Ahmad Abdul Aziz	Passed	Darul-Uloom High School.	
101	Muhammad Abul Wahid Faruqi	II	Nampalli High School.	
103	D. Chandriah	II	do	
104	Dattatray	II	do	
109	Parash Ram	II	do	
110	Muhammad Abdul Qadir	Completed	do	
111	Bisvaraj Sooriah Perkash Rao	do	do	
112	Sesha Chari	do	do	
118	Muhammad Basharat Ali	II	Mufid-ul-Anam High School	
119	Sayyid Shahinshah Husain	II	do	
131	Sayyid Mahmood Husain	II	Bidar High School.	
135	Keshav Rao Jairam	II	do	
143	Muhammad Abdul Rahman	Completed	do	
144	Habib Shah Khan	do	do	
145	Muhammad Abdul Razzaq	do	do	
146	Chitoor Singh	do	do	
150	G. Rajeshwar	II	Hanamkonda High School.	
160	Sardar Kesri Singh	II	do	
162	K. Rang Rao	III	do	
163	M. Ram Krishnayyah	Completed	do	
165	D. Laxmipathy	do	do	
166	M. Neela Kantam	do	do	
167	M. Ranga Rao	do	do	
174	Thaniala Rama Chari	II	Matwada High School.	
175	Shaikh Imam	II	Khammam High School.	
176	Muhammad Khalifatullah	II	do	
179	Khawaja Muslehuddin	Completed	do	
180	Sham Vedam Sooriyanarayan Rao	do	do	
182	B. Venkat Jogiah	do	do	
183	A. Laxmi Kanta Rao	do	do	
196	Varbhal Bhimiah	II	Karimnagar High School.	

No.	Name	Result	School	Remarks
197	Gogal Gopal	Completed	do	
198	Raincha Laxmi Kantam	do	do	
199	Sayyid Abdur Rab	do	do	
200	V. Mutiem Rao	do	do	
201	Sayyid Abdul Rahman	II	Medak High School.	
202	C. Sheshgir Rao	II	do	
205	Muhammad Ghausuddin	Completed	do	
206	Muhammad Makhdum Muhiuddin	Passed	Mahbubnagar High School.	
207	Habib Ahmad	II	do	
210	Muhammad Abdul Karim	III	do	
213	Anant Kishen	II	do	
214	K. Vaidanta Chari	III	do	
218	B. Sham Sunder	II	do	
220	A. Kishta Chari	III	do	
225	S. B. Ramloo	Completed	do	
228	Muhammad Abdul Hamid	do	Nalgunda High School.	
237	Ramachander Rao Deshpande	II	Nanded High School.	
289	Muhammad Ahmad	Completed	do	
241	Datatri Mongikar	II	Parbhani High School.	
242	Nago Rao Joshi	II	do	
270	Mir Qadir Ali	III	Private.	
278	Muhammad Aminuddin	II	do	
292	Sayyid Ali	III	do	
302	Muhammad Abdul Moiz Khan	Completed	do	Failed in Morals
369	Mula Pati Raghav Rao	do	do	do
372	Muhammad Ahmaduddin	do	do	
379	Shabuddin Ahmad Khan	do	do	
380	Muhammad Abdul Rab	do	do	
385	Muhammad Bashiruddin	do	do	
390	Ganpat Rao Kolaskar	do	do	
391	Sayyid Mahmud Husain	do	do	
396	K. Narsiah	do	do	
398	A. Sheshiah	do	do	
400	Muhammad Waliuddin Faruqi	do	do	
402	Hamid Husain Khan	do	Darul-Uloom High School.	

Roll No.	Name	Class	School	Remarks
403	Mahmud Ali Khan	Completed	Govt. City High School.	
404	Mir Tasadduq Husain	do	Darul-Uloom High School.	
405	C. Agareddy	do	Govt. City High School.	
406	Anant Reddy	do	Nampalli High School.	
407	Vishvanath Das	do	Govt. City High School.	
408	Parankusam Jir Swamy	do	Private.	
409	Pandit Rao	do	do	
410	B. N. Chobay	do	do	
411	Narsingappa Padiyalkar	do	do	
412	N. Gur Achari	do	do	
413	Pandit Rao	do	Govt. City High School.	
414	Bhashikarla Narhari	do	Matwada High School.	
419	E. Rajiah	Passed	Private.	
423	Hafiz Hasan Muhiuddin	do	do	
427	Ghulam Muhiuddin	Completed	do	
428	Muhammad Osman Khan Afandi	III	Aurangabad High School.	
329	Abdul Hamid Khan	III.	do	
430	Shaikh Muhammad Qasim	II	do	
438	Muhammad Sharful Haq Qureshi	II	do	
439	Sayyid Asghar Husain	II	do	
442	Govind Rao Bhale	III	do	
449	Mir Musharraf Ali	II	do	
450	Sayyid Nurul-Muqtada Naqshbandi	III	do	
451	Sayyid Shah Ibrahim Nahiri	III	do	
452	Devi Das Rao Desmukh	III	do	
453	Ram Bhav Dodal Pampaldarikar	III	do	
454	Moreshwar Rao Bardaporkar	Completed	do	
455	Vinayak Rao Agte	do	do	
457	Venkatesh Kurandkar	do	do	
458	Pandrinath Rao Naik Mongikar	do	do	
459	Sher Muhammad	do	do	

No.	Name		Result	School
460	Tirambak Rao Kharke	..	do	do
461	Sayyid Muhammad Khutubuddin Muhajari	..	do	do
462	V. M. Devo Sigamani Pillai	..	do	do
466	Muhammad Abdus Sattar	..	II	Jalna High School.
471	Bhim Rao	..	II	do
479	Achat	..	II	do
497	Dagru	..	III	Beed High School.
499	Nannhaji	..	Completed	Nirmal High School.
500	Sayyid Jaffar Ali	..	do	do
504	Mir Enayath Ali	..	II	Private.
506	Shaik Lal	..	II	do
520	Chadamber Rao Lohikar	..	Completed	do
526	Tirambak Rao Joshi	..	do	Darul-Uloom High School.
527	Muhammad Najmuddin Ansari	..	do	Private
528	Kishen Pershad Sharma	..	do	do
529	Laxmi Kanat Rao	..	Passed.	do
530	Muhammad Abdul Aziz	..	do	do
531	Muhammad Abdur Razzaq	..	II	Gulburga High School.
537	Muhammad Ghousuddin	..	II	do
544	B. Kishen Rao	..	II	do
546	Chander Rao	..	II	do
550	Sharnappa	..	III	do
553	Muhammad Nasrullah Khan	..	III	do
554	Nago Rao	..	III	do
555	Tirmal Rao	..	II	do
560	Venkoba Rao Talikotkar	..	II	do
562	Mahmud Ali Khan	..	II	do
565	K. Narayan Rao Mirchkar	..	Completed	do
568	Sayyid Moinuddin	..	do	do
569	Shiv Sharnappa	..	do	do
570	Mahadevappa	..	do	do
571	Ranga Rao Munurkar	..	do	do
573	Dattatray Tatoor	..	do	do
578	Gunday Rao	..	do	do
578	Rangnath Rao Mahajan	..	II	Osmanabad High School.

Roll No.	Name	Class	School	Remarks
579	Shivhar Rao ..	II	Osmanabad High School	
581	Dattatray Rao Ambaker	Completed	do	
582	Srinavas Rao ..	do	do	
588	Venkatesh Chinturkar	do	do	
648	J. Sham Rao ..	do	Private.	
649	Gurbhim Rao ..	do	do	
658	Muhammad Abdul Latif	do	do	
"55	Ranga Chari Delvai..	do	Raichur High School.	
	MATRICULATION EXAMINATION 1888 F. (1929).			
26	Sayyid Raza Hasan Rizvi	I	City High School.	
61	Sayyid Abdul Majid	I	do	
110	Nagaram Veerabhadrappa	I	Darul-Uloom High School	
30	Sayyid Nawazish Hasan	I	City High School.	
83	Sayyid Mir Hasan ..	I	Darul-Uloom High School.	
224	P. Kishan Rao ..	I	Karimnagar High School.	
564	Aziz Ahmad ..	I	Osmanabad High School.	
274	Narayan Keshava Rao	I	Mahbubnagar High School	
245	P. Venkatram Rao ..	I	Karimnagar High School.	
87	Sayyid Bahbud Ali	I	City High School,	
212	P. Narayan Rao ..	I	Hanamkonda High School	
25	Muhammad Rafiuddin Ali Khan	I	City High School	
108	Muhammad Mahmood Ali	I	Darul-Uloom High School	
105	Muhammad Abdullah ..	I	Do	
449	Muhammad Abdur Razzaq Shattari	I	Aurangabad High School	
180	Balliah	I	Nampalli High School	
9	Sayyid Abdul Mannan	II	Govt. City High School.	
11	Mazhar Ali Khan ..	III	do	
17	Raghupat Reddy ..	III	do	
20	Sayyid Muslehuddin	II	do	

No.	Name		Class	School	Remarks
21	M. Kishen Rao	..	II	do	
24	Muhammad Kalimullah	..	II	do	
27	Husain Ataullah	..	II	do	
31	Muhammad Ghaus Siddiqi	..	II	do	Failed in Theology.
33	Muhammad Jafer Ali Khan	..	II	do	
39	Muhammad Abdul Hannan	..	Completed	do	
42	Muhammaed Zahirul Afaq	..	do	do	
44	Muhammed Aminuddin	..	do	do	
45	A. Mahtab Singh	..	do	do	
46	Sayyid Fida Husain	..	do	do	
47	Muhammad Hanif	..	do	do	
48	Sayyid Ismail	..	do	do	
49	Abu Ahmad Sayyid Muinuddin	..	do	do	
50	Sayyid Mahmud Husain	..	do	do	
55	Mahammed Bashiruz Zaman Khan	..	II	Darul Ulum High School.	Failed in Theology
56	Muhammad Khan	..	II	do	
58	Sayyid Abdul Mannan	..	II	do	
60	Muhammad Abu Sayeed	..	II	do	
62	Abul Khair Sayyid Ibrahim Husaini Chishti	..	II	do	
63	Sayyid Omar	..	III	do	
65	Muhammad Fakhruddin	..	II	do	
68	Muhammad Momin Ali	..	II	do	
69	Muhammad Hidayat Ali	..	III	do	
70	Muhammad Ismail	..	III	do	
71	Muhammad Qamruddin	..	II	do	
74	Mirza Nazir Baig	..	II	do	
76	Sayyid Abdul Qadir Jilani	..	III	do	
79	Muhammad Ghausuddin	..	III	do	
80	Mushtaq Ahmad	..	III	do	
82	Sayyid Nasiruddin Ahmad Abidi	..	III	do	
84	T. Kishen Rao	..	II	do	
87	Wahid Baksh	..	III	do	
88	Muhammad Subhan	..	II	do	
90	Muhammad Akbar Alam	..	II	do	
91	Mir Faruq Ali	..	II	do	
92	Muhammad Muniruddin	..	II	do	

Roll No.	Name	Class	School	Remarks
97	Sayyid Abdul Majeed Razvi	II	Darul-Uloom High School.	
99	Sayyid Zahiruddin	III	do	
100	Sultan Muhiuddin	III	do	
104	Khwaja Ghulam Gauhar Ali Khan	III	do	
106	Muhammad Mahmud Khan	II	do	
109	G. Venkatswarny	II	do	
116	Muhammad Wahidul Haq	Completed	do	
117	Muhammad Imamuddin	III	Nampalli High School.	
119	Muhammad Abdul Wahid	II	do	
120	Muhammad Imaduddin	II	do	
122	Muhammad Abdul Aziz Khan	II	do	
129	D. Anant Kishan Rao	II	do	
136	Sayyid Ahmad Kabeer	Completed	do	
141	Muhammad Tahir Ali	III	Mufid-ul-Anam High School.	
148	Keshava Rao Filkhana	III	do	
148	Nago Rao Basarker	II	do	
187	Muhammad Ahmadullah Khan	II	Bidar High School.	
189	Shaikh Mahmud	III	do	
195	Muhammad Qamaruddin	III	do	
197	Mirza Abdus Sattar Beg	II	do	
199	Shaikh Ahmad	Completed	do	
204	Komarraju Ganpat Rao	II	Hanomkondah High School.	
213	G. Bapu Rao	Completed	do	
215	Parcha Venkateshwar Rao	Completed	do	
216	Muhammad Ahmad Husain	do	do	
220	C. H. Kanatayya	II	Matwada High School.	
228	B. Kannayya	II	do	
226	Muhammad Ismail Jalil	Completed	do	
285	Gundavajhla Advina Parabrahma Shastri	do	do	
236	Kesraj Venkat Chilpat Rao	do	do	
252	Chintalla Bhommiah	Completed	Karimnagar High School.	

258	Muhammad Nur-ul-Islam Khan	..	II	Jagtial High School.
255	Muhammad Imamuddin	..	II	do
261	Muhammad Abdul Ghani	..	Completed	do
262	Muhammad Maulana	..	do	do
278	Raghavender Rao	..	II	do
286	Khawja Muinuddin Siddiqi	..	Completed	do
287	Sreenavasa Rao	..	do	Nalgondah High School.
293	P. Somiah	..	II	do
296	J. Audi Narayan	..	III	do
300	P. Seshgiri Rao	..	II	do
301	D. Narsimha Rao	..	Completed	do
303	Muhammad Mahbub Alam	..	II	Adilabad High School.
304	Muhammad Hamid	..	II	do
305	Dattatraya Rao	..	III	do
307	N. Gopal Rao	..	II	do
318	K. Rama Reddy	..	II	Nirmal High School
324	Tuka Ram Devre	..	III	Nanded High School.
384	Maruti Kishan Rao	..	II	Parbhani High School.
340	Abdul Hamid Khan	..	Completed	Private.
419	M. A. H. Abdul Rahman	..	do	do
421	Muhammad Ahmad Jangrai	..	do	do
422	M. Rajiah	..	do	do
423	Shaikh Mahmud	..	do	do
424	Khwaja Sayyid Rahmatullah	..	do	do
425	Sayyid Ali Mohsin	..	do	City High School.
426	Muhammad Abdur Rahman Khan	..	do	Darul Ulum High School.
427	Raghunath Rao Kamtikar	..	do	Private.
428	Manohar Dhapne	..	do	do
436	Muhammad Ahmadullah	..	Passed	Aurangabad High School.
440	Sayyid Muslehuddin	..	III	do
442	Fazl-i-Ilahi Khan	..	II	do
443	Mirza Mahboob Baig	..	III	do
446	Lala Binda Pershad	..	II	do
447	Azimuddin	..	II	do
451	Bapu Rao Takalker	..		do

Roll No.	Name	Class	School	Remarks
453	Sri Ram Kathar	II	Aurangabad High School.	
456	Balvant Rao	III	do	
457	Rang Nath	II	do	
464	Qazi Mahbub Muhiuddin Ahmad	II	do	
466	Muhammad Abdul Latif	Completed	do	
469	Purshotam Rao Chapalgaonkar	do	do	
470	Aiknath Rao Kulkarni	do	do	
471	Ali Ahmad	do	do	
472	Hira Lal	do	do	
473	Muhammad Abdul Aziz Ajantavi	II	do	
478	Narayan	Completed	Bir High School.	
480	Sawla Ram	do	do	
481	Gopal Rao	III	do	
482	Qazi Munzorul Amin	III	Jalna High School.	
490	Sayyid Muhammad Yaqub	III	do	
492	Sayyid Shah Mahmud	Completed	do	
497	Sada Shiv Govind Rao Vadiya	do	Private.	
502	Chintaman Rao Ravikar.	do	do	
504	Muhammad Ghaus	do	do	
505	Sayyid Amiruddin Qadri	do	do	
508	Nago Rao Joshi	do	do	
509	Bapu Rao Harsolkar	do	Parbhani High School.	
510	Datyatraya Moongi	do	Aurangabad High School.	
519	Chandarsakar Hiramat	II	Parbhani High School.	
527	Lakshman Rao	III	Gulburga High School.	
530	Abul-Barkat Muhammad Burhan	III	do	
533	Shanker Rao Chitgopaker	II	do	
541	Raghavendar Achari	Completed	do	
542	Muhammad Muinuddin	do	do	
543	Girnath	do	do	
544	Muhammad Abdul Hakim	do	do	

No.	Name		Class	School	Remarks
545	Raziuddin Ahmad Khan	..	III	Raichur High School.	
552	Narsingh Rao Manvilkar	..	II	do	
553	J. Seshagir Rao	..	III	do	
554	Bhima Chari Girchantikar	..	III	do	
562	Venkatesh Govind Rao Vinsing.	..	Completed	do	
565	Sayyid Shah Waliullah Qadriker	..	II	Osmanabad High School.	
566	Ahmad Mohiuddin	..	III	do	
567	Sayyid Najmuddin	..	II	do	
571	Govind	..	Completed	do	
587	T. Pando Rang Rao	..	do	Latur High School.	Passed in Morals only
594	Ramchander Rao	..	II	Private.	
596	Venkayya	..	II	do	
603	Ranga Chari	..	Completed	do	
607	Jagannath Rao	..	do	Gulburga High School.	
608	K. Venkayya.	..	do	Raichur High School.	

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Roll No.	Name		Class	School	Remarks
12	Sayyid Hasanuddin	..	I	Govt. City High School.	
134	Sayyid Ali	..	I	Darul-Ulum High School	
164	Mir Asad Ali	..	I	Nampally High School.	
308	Tuka Rao	..	I	Karimnagar High School.	
106	Ishaq Muhammad Khan Kamalzai	..	I	Darul-Ulum High School.	
335	M. Narsing Rao	..	I	Nirmal High School.	
41	Nasiruddin Ahmad	..	I	Govt. City High School.	
289	Shah Muhammad Kalimullah Qadri		I	Medak High School.	
487	Wali Muhammad Khan	..	I	Aurangabad High School.	
114	Raghunandan Raj	..	I	Darul-Ulum High School.	
228	Muhammad Abdul Wahid.		I	Bidar High School.	
248	Sayyid Mehdi Ali	..	I	Warangal High School.	
107	N. A. Sheshachariya	..	I	Darul-Ulum High School.	
2	Sayyid Azizuddin Ali	..	II	Govt. City High School.	
8	Muhammad Baqar Nawaz	..	II	do	
4	Muhammad Aftab Ahmad Siddiqi	..	II	do	
5	Habib Hasan-ul-Idrus	..	II	do	
8	Muhammad Ahmaduddin Husain		III	do	
14	Jamil Ahmad Faruqi	..	II	do	
19	Rajeshwer Rao Kache	..	II	do	
20	Sayyid Ali Muhammad	..	III	do	
21	Shaikh Shafaqqat Ali	..	II	do	Failed in Theology.
24	Sayyid Akbar Husaini	..	II	do	
25	Khwaja Ahmad	..	II	do	
27	Muhammad Sayeed Khan	..	II	do	

No.	Name				
28	Sayyid Ishaq	..	III	do	
31	Sayyid Muhammad Hasan Khan Razvi	..	III	do	
39	Sayyid Mahmud	..	II	do	
43	Sayyid Khwaja Muniruddin	..	II	do	
44	Mir Iqbal Ali	..	II	do	
45	Sayyid Raza Ali Ahmad Qadri	..	II	do	
47	Muhammad Abdul Hai Abbasi	..	II	do	
48	Shah Abrar Ahmad	..	II	do	
50	Muhammad Abdul Hai.	..	III	do	
53	Sayyid Muhammad Murtaza	..	II	do	
56	Muhammad Abbas Khan	..	II	do	
60	Sayyid Mahfuzuddin	..	III	do	
63	Sayyid Kazim Husain Musavi	..	II	do	
65	Sayyid Askar Ali	..	III	do	
70	Sayyid Haidar Raza	..	II	do	
74	Habib Hasan Nomani	..	Completed	do	
74	Habib Ali Baaqil	..	do	do	
77	P. B. Jagmohan	..	do	do	
78	Sharif Mahfuz bin Omar	..	do	do	
80	Muhammad Abdul Qayyum	..	Passed	do	Darul-Ulum High School.
82	Khawja Ahmad Husain	..	III	do	
84	Sayyid Muhammad Siddiq Qadri	..	III	do	
85	Muhammad Tahir Husain	..	II	do	
86	Muhammad Mahbub	..	II	do	
87	Ghaus Muhammad	..	III	do	
89	Qazi Wahiduddin Ahmad	..	III	do	
90	Sharfuddin Muhammad Abdul Qadir	..	III	do	
92	Muhammad Ibrahim	..	II	do	
93	Mir Muhammad Ali	..	II	do	
95	Muhammad Tajammul Ali Khan Faruqi	..	III	do	Failed in Theology.
96	Muhammad Ghausuddin	..	III	do	
98	Muhammad Samiullah Khan	..	II	do	
99	Sayyid Khawja Bashiruddin Ahmad Qadri	..	III	do	
100	Muhammad Rahimuddin	..	II	do	
101	Muhammad Abdul Moqim	..	II	do	

Roll No.	Name	Class	School	Remarks
102	Muhammad Muhiuddin	III	Darul-Uhum High School.	
103	Muhammad Jamal	III	do	
108	P. Sitaram Rao	III	do	
116	Y. Virvappa Kishappa Yadgirkar	III	do	
121	Muhammad Abdul Rahim Siddiqi	II	do	
123	Bashir Ahmad	II	do	
124	Muhammad Husain	II	do	
125	Sayyid Akbar Badshah	II	do	
126	Mohsin Bin Shabbir	II	do	
128	Muhammad Sarfraz Ali	II	do	
129	Shaikh Farid	III	do	
130	Mirza Asadullah Beg	III	do	
131	Khurshid Ahmad Zubairi	III	do	Failed in Theology.
132	Sayyid Omar	II	do	
187	Muhammad Abdul Rahim	II	do	
188	Muhammad Miran	II	do	
139	Muhammad Abdul Ali	II	do	
140	Sayyid Muinuddin	II	do	
145	Sayyid Badshah Ali	II	do	
147	Muhammad Sajjad Husain	Completed	do	
151	Kishan Singh	do	do	
152	Sayyid Azmat Shah	do	do	
156	Vemla Venkat Reddi	III	Nampally High School.	
158	Sayyid Muslim	II	do	
159	Muhammad Abdul Qadir	II	do	
165	Mir Musiquddin	III	do	
166	Jan Muhammad	Completed	do	
167	Sayyid Abdul Qadir Chishti	do	do	
168	Muhammad Husain Khamosh	do	do	
169	Sayyid Obaidullah	do	do	
170	Srinivas Achariya	III	do	Failed in Morals

No.	Name		Stage	School	Remarks
171	Govind Rao Holgiri ..	..	II	do	
172	G. Kishan Rao	..	II	do	
175	Muhammad Husain	..	Completed	do	
176	Bhagvan Rao Deshpandya	..	do	do	
177	Muhammad Sirajuddin	..	do	do	
178	Ahmad Muhiuddin	..	do	do	
196	Maqbul Alam	..	III	Mahbubnagar High School.	Failed in Theology.
201	Khwaja Ghiyasuddin	..	II	do	
205	V. Girnath Rao	..	III	do	
208	Balkishan Rao	..	III	do	Failed in Morals.
209	Mir Qadir Ali	..	do	do	
210	Rama Reddi	..	Completed	do	
216	Muhammad Zahir	..	do	Bidar High School	
217	Shiv Ratan Singh	..	III	do	
223	Muhammad Abdul Rahman	..	II	do	
230	Venkat Rao	..	III	do	do
232	T. Gambhir Singh	..	III	Medak High School.	
234	Muhammad Nazir Ahmad	..	Completed	do	
236	Sayyid Ismail	..	II	do	
240	Shah Ghulam Ahmad Qadri	..	II	Warangal High School.	
241	Muhammad Abdul Ghafur	..	Completed	do	
242	Latif-ul-Hasan Burni	..	III	do	
244	Sayyid Said-ul-Hasan	..	II	do	
245	Kokanda Vishvanadham	..	II	do	
249	Muhammad Abdul Hamid Khan	..	III	do	
254	Fazl Muhammad Khan	..	II	do	
255	Jumutla Venkat Narsihvan Reddi	..	II	do	
256	K. Narsihvan Reddi	..	II	do	
257	M. Venkataya	..	II	do	
258	E. Nag Reddi	..	II	do	Failed in Morals.
262	Muhammad Abdul Qadir Subhani	..	Completed	do	
263	Sayyid Khawaja Ulfat Husain ..	..	do	do	
264	Khawja Ghulam Nabi	..	do	do	
265	K. Satya Narayan Rao	..	do	do	
270	Sayyid Mobin Ahmad	..	III	Mathwada High School.	
272	Muhammad Jafar	..	II	do	

Roll No.	Name	Class	School	Remarks
276	Kanchan Pally Yadgir Rao	II	Matwada High School.	
280	P. Venkatappa Rao	II	Khammam High School.	
281	K. Venkat Kishan Rao	II	do	
283	L. Bucchi Ramiah	II	do	
284	B. Venkat Subbaiya	Completed	do	
286	Kalol Raja Ram Rao	do	do	
287	Pawada Lakshim Narsihvan Rao	do	do	
291	K. Venkat Ram Rao	II	Nalgonda High School.	
292	D. Vera Reddi	II	do	
294	P. Venkat Lakshma Rao	III	do	
296	G. Mankia Rao	III	Karimnagar High School.	Failed in Morals.
297	J. V. Narsingh Rao	II	da	do
302	Mirza Asghar Ali	II	do	
303	Mirza Baqar Nawaz	Completed	do	
304	Muhammad Abid Husain	II	do	
307	Abdul Rahim	III	do	
309	M. Buchchaiya	II	do	do
310	S. Narayan Rao	II	do	
312	M. V. Madhu Rao	II	do	
314	Venkatesham	II	do	
315	B. Rang Rao	Completed	do	
322	C. H. Narsaiya	II	Jagtial High School.	
323	Gogal Narayan	II	do	do
326	S. Venkat Rao	II	do	
327	G. Narayan Rao	II	do	
330	Muhammad Abdul Qadir	II	Adilabad High School.	
331	Muhammad Abdul Qadir son of Abdul Mastan.	Completed	do	
332	Harichandar Ashthana	III	Nirmal High School.	Failed in Theology.
334	Ahmad Ghausuddin Haqqani	II	do	
336	Narsihvan Reddi	II	do	
337	Muhammad Abdul Wahid	Completed	do	

No.	Name		Result	School	Remarks
344	Ahmad Abdul Halim Khan	..	II	Nizamabad High School.	
347	Gajanan	..	II	do	
369	Akbar Sharif	..	III	Private.	
382	Srinivas Rao	..	III	do	
388	Dattatri Rao	..	Completed	do	Failed in Morals.
388	Venkat Rajum	..	II	do	
396	P. Gunpati	..	III	do	
401	Tippaji	..	Completed	do	
406	Muhammad Nasiruddin	..	Passed	do	
409	V. S. Chatarvedi	..	Completed	do	
410	Muhammad Abdul Wahid	..	do	do	
411	Govind Rao Malhar Rao Miral	..	do	do	
418	Giral Ramaiya	..	do	do	
414	Sheikh Nurul Hasan	..	do	do	
417	Muhammad Hasan Ali Khan	..	do	do	
420	Muhammad Ghaus Siddiqi	..	do	do	Passed in Theology only
421	Abul Khair Sayyid Ibrahim Husaini Chisti	..	do	do	do
423	Maryam Begum	..	II	Aurangabad High School.	Failed in Theology.
426	Muhammad Muhiuddin	..	III	do	
430	Muhammad Abdul Hamid	..	II	do	
433	Abdus Sami Ahmad	..	II	do	
435	Sayyid Abdul Latif	..	III	do	do
436	Muhammad Sadiq Ali Abbasi	..	II	do	do
447	Karimuddin	..	II	do	
451	Muhammad Abdul Wahid Faruqi	..	II	do	
452	Muhammad Qamruddin Husain	..	II	do	
456	Datatri Takulkar	..	II	do	
460	Bariandar Singh	..	II	do	
462	Srinivas Rao Desmukh	..	Completed	do	
464	Muhammad Yahyah Ali Siddiqi	..	do	do	
465	Muhammad Karamat Ali	..	do	do	
478	Muhammad Shahabuddin Faruqi	..	II	Parbhani High School.	
480	Bal Kishan	..	III	do	
484	Babu	..	II	do	
485	Bhagwam Vishnu Pirlikar	..	II	do	
486	Ambadas	..	Completed	do	

Roll No.	Name	Class	School	Remarks
487	Muhammad Ghaus	Completed	Parbhani High School.	
488	Muhammad Rasul Khan	do	do	
489	Sayyid Muhammad Abdul Halim	II	Jalna High School.	
490	Muhammad Samiullah	III	do	
491	Muhammad Afzalur Rahman	II	do	
492	Qazi Sayyid Akbar Ali	II	do	
494	Keshaw Rao	II	do	
495	Vitthal Rao	II	do	
496	Sham Rao	II	do	
497	Trimbak Rao	II	do	
498	Pandit Rao	II	do	
500	Muhammad Nurul Husain	Completed	do	
501	Muhammad Abdur Razzaq Benishan	do	do	
503	Muhammad Hashim	II	Bir High School	
504	Asadullah Khan	III	do	
505	Muhammad Khan	II	do	
508	Vejnath Rao	III	do	
517	Dattatri Palikar	Completed	do	
518	Azizuddin	do	do	
524	Muhammad Yunus	II	Gulburgah High School.	
525	Osman Ali	Completed	do	
526	Muhammad Bashir Husain	III	do	
545	Mir Qasim Ali	III	do	
557	Sayyid Manzur Ahmad	III	do	
558	Khwaja Fasihuddin	III	do	
559	Vaman Rao	II	do	
566	Shankar Rao Kulkarni	II	do	
568	Umma Shankar Sankae	II	do	
571	N. Chinnaiya	II	do	
572	Rachappa	II	do	
574	Shamsundar	III	do	
576	Bhim Shin Rao	II	do	Failed in Morals.

No.	Name		Grade	School	Remarks
577	B. Sitaram Achari	..	II	do	Failed in Morals.
579	Shran Bashweshwar	..	II	do	
581	Chandu Rao	..	II	do	
582	Sayyid Shah Muhammad	..	Completed	do	
588	Mudnat Rao	..	do	do	
587	Raghappa	..	III	Raichur High School.	
591	S. Raghvendera Chariya	..	Completed	do	
592	A. Gunde Rao	..	do	do	
593	Swraj Lal Mudgalkar	..	do	do	
594	Sayyid Burhanuddin	..	do	do	
599	Vejnath	..	do	Latur High School.	
600	Sayyid Matin Ahmad	..	III	Raichur High School.	
605	Harischandar Marwari	..	II	do	do
608	Balvant	..	Completed	Osmanabad High School.	
620	Muhammad Nuruddin	..	II	Private	
621	Manak Bhat Joshi	..	Completed	do	

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Roll No.	Name	Class	College	Remarks
67	Ravada Satynarayan	I	City Intermediate College	
1	Abu Tahir Muhammad Abdul Qadir	II	Osmania University College	
2	Sayyid Jalaluddin Hasan	III	do	
8	Sayyid Abdur Rashid Razvi	III	do	
7	Muhammad Davar Husain	II	do	
11	Sayyid Shah Muhammad	III	do	
12	Ahmad Husain	II	do	
13	Muhammad Hafizur Rahman Lashkari	II	do	
15	Sayyid Abdus Samad	III	do	Failed in Morals.
16	E. Srinivas Reddi	III	do	
17	Venkappa Yadgiri	III	do	
18	Fal Bahadur	III	do	
23	Azizuddin	III	do	
24	Abdul Jabbar	III	do	
25	Muhammad Ahmadullah Siddiqi	III	do	
26	C. Sooriya Narayan Moorti	II	do	
27	Rangnath Rao Kantikar	II	do	
39	Mir Ahmad Ali	III	Ex-Students.	
45	Sayyid Ehsan Ahmad Razvi	III	do	
48	Govindappa	III	do	
50	Tirmal Rao Aldhalkar	III	do	do
55	Ghulam Rasool	Completed	do	
56	R. Seshagiri Rao	do	City Intermediate College	
58	Niaz Muhammad Khan	II	do	
59	Muhammad Abdul Hameed	III	do	
61	Muhammad Nasir Khan	II	do	
62	Muhammad Abdul Naim Siddiqi	III	do	
63	Muhammad Abdul Khaliq	III	do	
66	Sayyid Khairath Ali	II	do	
68	C. Som Sunderam	II	do	
69	Madap Srinivas Rao	II	do	

No.	Name		Class	Osmania University College
71	Muhammad Abdul Haleem Koosgavi	..	II	do
72	Sayyid Zainulabidin	..	III	do
74	Muhammad Khwaja Husain Faruqi	..	III	do
75	Muhammad Abdul Hai	..	III	do
76	Mirza Sattar Beg Mirzai	..	II	do
77	Ghulam Dastagir Rashid	..	III	do
78	Muhammad Zakaullah Shahpuri	..	III	do
79	Abdus Subhan Subhani	..	III	do
80	Muhammad Bashir Ahmad	..	III	do
82	Muhammad Israr Hasan Hashimi	..	II	do
83	Narsing Rao	..	II	do
84	Bhimsen Rao Thog	..	III	do
85	Khawja Hamid Ahmad	..	III	do
86	Muhammad Kazim Raza	..	III	do
87	Sayyid Dawood Ali	..	III	do
88	Sayyid Nazir Husain	..	III	do
89	Sayyid Yusufuddin	..	II	do
90	Mirza Shukur Beg	..	III	do
92	Muhammad Azimuddin	..	III	do
93	Sayyid Sirajuddin Ahmed	..	III	do
94	Sayyid Fazalur Rahman	..	III	do
98	Mir Iqbal Ali Zaidi	..	II	do
99	Muhammad Ismail Shahpuri	..	III	Ex-Students. do
107	Sayyid Akhtar Ahsan	..	III	do
109	Ahmad Ali Sayeed	..	III	do
110	Muhammad Yacoob Khan	..	III	do
113	Mir Abul Ula Ali Khan	..	III	do
117	Trimbak Rao Kharsale	..	III	do
119	Gurunath Rao Apranji	..	III	do
120	Bandia Chand	..	III	do
121	Bapu Rao Deshmukh	..	III	do
128	Muhammad Abdur Rashid	..	III	do
129	Ghulam Murtuza	..	Completed	do
184	Manik Rao Parlikar	..	do	do
185	Muhammad Shah Khan	..	do	do
186	Muhammad Abdullah	..	do	do

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Roll No.	Name	Class	College	Remarks
137	G. T. Airvatkar	Completed	Osmania University College	
138	Eata Lakshmiah	do	do	
139	Sayyid Tabarak Ali	do	do	
141	Sardar Singh	do	do	
142	Muhammad Abdul Khaliq Khan	III	City Intermediate College.	
148	Sayyid Ghulam Ahmed Husaini Razavi	II	do	
147	Muhammad Jafar Husain Bhongiri	III	do	
150	Khawja Sardarullah Khan	III	do	
151	Nurullah Muhammad	II	do	
152	Muhammad Abdul Ghaffar	II	do	
153	C. R. Shankeriah	II	do	
156	Govind Rao	III	do	
157	S. Shanker Rao	Completed	Ex-Student	
162	Ahmed Khairuddin	do	do	
163	Muhammad Mahmood Husain	do	do	
164	Muhammad Abbas	do	do	
165	Mir Habib Ali	III	Aurangabad Intermediate College.	
166	Muhammad Abdul Hai	III	do	Failed in Morals
169	Kishen Rao	III	do	
170	Jagannath Pershad	III	do	
171	Devadas Rao	III	do	
172	Misri Lal	II	do	
173	Digambar Rao	II	do	
174	Narhar Srinavas Rao	III	do	
175	Bhujang Rao Jagtap	III	do	
176	Muhammad Abdur Razzaq Khan	II	do	
177	Sayyid Muhammad Razvi	III	do	
179	Nava Neet Das	III	Ex-Student.	
180	Sayyid Muazzam	Completed	do	
183	Attam Rao Maharolakar	do	do Zenana-College.	
185	Jahan Bano Begum	III	Private.	
189	Ghulam Jilani	Completed	do	
197	Krishnaji Kutamkar			

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Roll No.	Name	Class	College	Remarks
1	Sayyid Noor-ul-Qadir ..	III	Osmania University College.	
2	Shaikh Abdul Qadir ..	III		Failed in Theology
3	Habib Yusuf ..	III		
4	Zahir Ahmad Khan ..	III	do	
6	Sayyid Ghulam Mahmud Shah ..	II	do	
7	Ghulam Hafiz Khan ..	II	do	
8	Muhammad Sadaruddin Ansari ..	II	do	
9	Muhammad Abdul Qadir Minai ..	III	do	
10	Muhammad Abdur Rahim Khan	III	do	
11	Muhammad Fazlullah ..	II	do	
13	Mir Gaziuddin Ali ..	III	do	
14	Muhammad Wahiduz Zaman ..	III	do	
15	Muhammad Raza Husain Khan ..	II	do	
17	Khande Rao ..	III	do	
18	Vishvanath ..	III	do	
19	Pandit Rao ..	III	do	
21	R. Kishan Rao ..	III	do	
22	Muhammad Abul Khair ..	III	do	
25	Abdul Halim Khan ..	III	do	
29	B. N. Chobay ..	III	do	
30	Anna Rao ..	III	do	
33	Muhammad Abdul Rashid ..	III	do	
35	Muhammad Mojiz Ali ..	III	do	
36	Mir Tasadduq Husain ..	III	do	
37	Ahmad Khan ..	III	do	
41	Sayyid Yaqub ..	III	do	
42	Shaikh Adam ..	II	do	
43	Muhammad Ghulam Ahmad ..	III	do	
44	Hafzullah Khan	III	do	

Roll No.	Name	Class	College	Remarks
45	Sayyid Muhammad	III	Osmania University College.	
46	Sayyid Mazhar Ali	II	do	
47	Muhammad Safiullah	III	do	
49	Dhan Mohan Lal	III	do	
50	G. Aga Reddy	III	do	
52	Vajandar Rao Ganhalker	III	do	
54	Raghavender Achari Gabbuir	II	do	
58	Chandu Lal	III	do	
59	Najmuluddin Ansari	II	do	
62	Sayyid Ahmadullah Khan	III	do	
66	Mirza Sharafatullah Beg	III	do	
67	Muhammad Abdul Rahman	III	do	
68	Afif Ahmad Qureshi	II	do	
69	Sayyid Muhammad Mohsin	III	do	
70	Muhammad Abdul Rab	III	do	
71	Muhammad Yusufuddin	III	do	
72	Hamiduddin Khan	III	do	
73	Mirza Hamidullah Beg	II	do	
74	Mirza Maudood Ahmad Khan	III	do	
76	Muhammad Ghaus	II	do	
77	Muhammad Nazir Husain Afandi	II	do	
78	Ahmad Abdul Alim	II	do	
79	Ghulam Safi Khan Abul-ullai	III	do	
80	Mahmud Ahmad Siddiqi	III	do	
81	Muhammad Raisuddin Siddiqi	III	do	
84	N. Govind Raj	III	do	
85	K. Srinivasa Aiyangar	III	do	
86	N. Guracharya	III	do	
87	Satya Narayan	III	do	
88	Gandi raj Venkat Chalpati Rao	III	do	
92	Mir Mustafa Ali Zaidi	II	do	

			Ex-Student	
94	Muhammad Ghausuddin Abbasi	III	do	
99	Arvi Rao Deshpande	III	do	
101	Sayyid Khurshid Ali	III	do	
103	Sayyid Abdul Hamid	II	do	
104	Muhammad Faizuddin	III	do	
107	Mir Riasat Ali Khan	III	do	
116	Muhammad Abdul Hai	III	do	
118	Muhammad Noor-ul-ulla	III	do	
128	Muhammad Nasiruddin	III	do	
124	Mir Muhammad Faruq Ali Khan	III	do	
125	Muhammad Fazl Karim	III	do	
126	Nazir Muhiuddin	Completed	do	
181	Muhammad Ismail	do	do	
188	Muhammad Enayat Ali	do	do	
184	Muhammad Basharat Ali	do	do	
185	Khwaja Muhammad Shoaib	do	do	
186	Muhammad Abdul Wahid Khan	do	do	
187	Shaikh Abdul Qadir Vafa	do	do	
189	Muhammad Ghaus Muhiuddin	do	do	
141	Manzoor Hasan Khan Ghori	do	do	
142	Muhammad Husain	do	do	
145	Mir Asad Ali	do	do	
146	Kishan Rao Daphne	II	do	City Intermediate College.
148	Mirza Abbas Ali Beg	III	do	
149	Mirza Abdul Hamid Beg	III	do	
150	Muhammad Nasir Faruqi	II	do	
151	Muhammad Rahmatullah	III	do	
152	Muhammad Faruq	III	do	
158	Sayyid Abdul Ghaffar	II	do	
154	Khwaja Moinuddin	III	do	
155	Sayyid Mahmud Ali	II	do	
156	Sayyid Hidayat Ali	III	do	
157	Sayyid Ali Mohsin	III	do	
160	Bahawan Rao	III	do	
162	M. Hanmant Rao	III	do	

Roll No.	Name	Class	College	Remarks
163	Bashir Ali	II	City Intermediate College.	
164	Abul-Fath Sayyid Ghulam Muhiutdin	III	do	
165	Abdul Basat	II	do	
166	Ghulam Jilani	III	do	
167	Khwaja Muhammad Wasay	II	do	
170	Muhammad Ahmad Ali	III	do	
173	Muhammad Ali Khan	III	do	
174	Ahmad Abdul Hafiz Khan Arab	II	do	
175	Muhammad Baqar Husain Qureshi	III	do	
177	Sayyid Kazim Husain	III	do	Failed in Morals
178	M. Venkatachelum	III	do	
179	Bhimsen Achari	III	do	
181	Shaikh Muhammad Manzoor Husain	III	do	
183	Sree Raj Pershad	III	do	
193	A. Venkoba Rao	Completed	Ex-Students do	
196	Muhammad Badiuddin	III	Aurangabad Intermediate	do
198	Sayyid Nasir Husain Razvi	III	do	
202	Livingstone	II	do	
203	Akbar Ali Akbar	III	do	
205	Uttam Rao Nangaray	III	do	
206	Chanderkanth Rao Godsay	III	do	
207	Khande Rao Miral	III	do	
208	Govind Rao Deshpanday	III	do	
218	Hamiduddin	Completed	Ex-students. do	
219	Muhammad Rahmatullah Khan	III	Warangal do	
221	Sayyid Muhammad Sarif-ul-Hasan.	III	do	
222	Sita Ram	III	do	
223	Thout Reddi Venkatram Narsimha Reddi	III	do	
225	T. Sunder Murti	III	do	
226	Matooru Ranga Rao	III	do	
227	E. Sita Ram Rao	III	do	
228	Bashir-un-Nissa Begam	III	Zenana College.	

229	Najmul-Nissa Begam	..	III	do
282	Muhammad Mahbub Ali	..	III	Private
284	Sayyid Mustafa Husain	..	II	do
286	Sayyid Raziuddin Ahmad	..	III	do
287	Muhammad Fazaluddin	..	II	do
240	Sayyid Buranuddin Ahmad		II	do
248	Muhammad Qamaruddin	..		do
258	Muhammad Munir Husain	..	Completed	do

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Roll No.	Name	Class	College	Remarks
2	Sayyid Muhammad Ishaq	III	Osmania University College.	
5	Samiuddin Ahmad	III	do	
6	Sayyid Hadi Husain Bilgrami	III	do	Failed in Morals
7	Muhammad Abdul Hai	II	do	
8	Sayyid Abdul Aziz	III	do	
9	Md. Maqdum Muhiuddin	III	do	Failed in Thelogy
10	Abul Hasan	III	do	
12	Nur-ul-Huda	II	do	
18	Md. Osman Ali Khan	III	do	
19	Naimuddin Ahmad	III	do	Failed in Morals
22	B. Mahadev Rao	III	do	
23	Mir Abid Ali Khan	III	do	
24	S. Jai Rao	II	do	
25	Rangnath Rao Mahajan	III	do	
26	Rang Rao Manurkar	III	do	
27	Nandgri Venkat Rao	III	do	
29	Mirza Mahmud Ali Beg	III	do	
30	Mir Rahman Ali	III	do	
31	Mir Ahsanuddin	iII	do	
33	Ahmad Abdul Qaiyum Siddiqi	III	do	
34	Ahmad Khan	III	do	
38	Leakh Raj	III	do	
40	Venkat Abaji Rao	III	do	
41	Md. Akbar Ali Khan	III	do	
46	Venkob Rao Talikotekar	III	do	
47	B. Sham Sunder Rao	III	do	
48	Viraiya Swami	III	do	

No.	Name			Osmania University College.	Failed in Morals.
49	Liaqat Husain Khan	...	III	do	
50	Sayyid Wahiduddin	...	II	do	
51	Md. Abdul Ali Faruqi	...	III	do	
52	Bhimshenachari Upadhya	...	II	do	
54	Habib Ahmad	...	III	do	
58	Md. Abdul Qadir	...	III	do	
59	Qazi Md. Abdul Baqi	...	II	do	
60	Md. Abdul Ghani	...	II	do	
61	Sayyid Abdul Hamid Razvi	...	III	do	
62	Md. Abdul Majid Khan	...	III	do	
64	Sayyid Md. Saleh Hashimi	...	II	do	
65	Zahiruddin Ahmad	...	II	do	
68	N. Chander Rao	...	III	do	
70	V. M. Devsigamani Pillai	...	II	do	
71	Thanyala Ramachari	...	II	do	
72	K. Ramaswami	...	III	do	
73	M. Ram Kishan Rao	...	II	do	
74	P. R. Ramchandra Reddi	...	II	do	
75	P. Ramchandra Reddi	...	II	do	
76	M. Sadasiv Reddi	...	II	do	
78	K. Srinivas	...	II	do	
81	Mir Akbar Ali	...	II	do	
83	Md. Ahmaduddin	...	III	do	
85	Md. Hassanuddin Khan	...	III	do	
87	Munshi Md. Abdul Rahman	...	II	do	
89	Md. Abdus Salam	...	III	do	
90	Md. Abdul Qaiyum	...	III	do	
92	Md. Abdul Azim Khan	...	III	do	
93	Md. Abbas	...	III	do	
94	Md. Saadat Ali Khan	...	III	do	
95	Abu Md. Ghiasuddin	...	III	do	

Roll No.	Name	Class	College	Remarks
98	Sayyid Nur-ul-Muhtada	II	Osmania University College.	
99	Sayyid Shahinshah Husain	III	do	Failed in Morals.
101	Sital Singh	III	do	
102	Gordhan Pershad	III	do	
103	A. Lakshmikant Rao	III	do	
104	Madap Venkat Ram Rao	III	do	
107	Mirza Md. Ali	Completed	Ex-Student.	
110	Sayyid Habibullah Husaini	III	do	
111	Md. Raza	III	do	
112	Ahmad Abdul Hai	III	do	
113	Md. Fariduddin Khan	III	do	
114	Mir Makhdum Ali Khan	III	do	
118	Md. Fakhruddin Hasan	III	do	
119	Mahbub Narayan Gowd	III	do	
124	Shamdbhu Mohan Lal Mathur	III	do	
128	Sayyid Latifuddin	III	do	
131	Mir Vajihuddin	III	do	
133	Eknath Parshad	III	do	
141	Md. Abdul Rahman Khan	II	do	
142	Sayyid Md. Hasan	III	do	
143	Jafar Ali Khan	Completed	do	
144	Md. Munir-ur-Rahman	do	do	
145	Abdul Fath Muinuddin Ansari	do	do	
146	Shaikh Ahmad Sharar	do	do	
147	Md. Bashir	do	do	
149	Md. Abdul Qaiyum	do	do	
150	Zahir Ahmad Khan	do	do	
151	B. Rama Reddi	do	do	

No.	Name			Institution
153	Raghvendra Chariya Gobbor	..	do	do
154	Govindappa	..	do	do
155	Satiya Narayan Singh	..	do	do
156	Sayyid Ali Hasnain Razvi	..	III	City Intermediate College.
157	Zafar Ali Mirza	..	III	do
158	Md. Aminuddin	..	III	do
159	Ahmad Abdul Aziz	..	III	do
160	Qazi Md. Yusufuddin	..	III	do
163	Md. Abdul Ali	..	III	do
164	Sayyid Firasat Husaini	..	III	do
165	Md. Munir-uz-Zaman	..	III	do
166	Anant Kishan Rao	..	II	do
167	Shankar Narayan Gowd	..	III	do
168	Ravada Mahadev	..	III	do
169	Vijyachari	..	III	do
170	Krishnaji Kalyankar	..	III	do
173	Md. Bashiruddin	..	III	do
176	Sayyid Qasim Ali	..	III	do
179	Md. Abdul Hai	..	III	do
180	Md. Abdur Rashid	..	II	do
181	Md. Abdul Qaiyum	..	III	do
185	Yamani bin Salim bin Mahfuz	..	II	do
186	Md. Basharat Ali	..	II	do
188	V. Bhimaiya	..	II	do
190	Kishan Rao	..	III	do
192	V. P. Venkatacharya	..	II	do
193	K. Vedantachari	..	II	do
194	V. Bhaskar Rao	..	III	do
196	Md. Abdul Jalil	..	Completed	Ex-Student.
199	Md. Ahmad Husain Siddiqi	..	III	do
200	Tilkalpalli Atmaram Sharma	..	Completed	do
205	Achat Rao	..	III	Intermediate College, Aurangabad.

Roll No.	Name	Class	College	Remarks
207	Bhim Rao Narayan Rao Deshpande	III	Intermediate College, Aurangabad.	
211	Nago Rao Joshi Mudkherkar	III	do	
212	Bapu Rao Harsulkar	III	do	
215	Mustafa Khan	III	do	
216	Md. Muslehuddin	III	do	
217	Sayyid Asghar Husain	III	do	
220	Md. Abdus Samad Khan	II	do	
221	Md. Nawabuddin	III	do	
222	Dagruram Bhau Jhikre	III	do	
223	Rajeshwar Rao	III	do	
224	Md. Hissamuddin Haakim	Completed	Ex-Student.	
225	Maqsud Ali Quraishi	do	do	
226	Masud Ahmad Faruqi	III	do	
227	Lakshmikant Rao	III	do	
228	Dattatre Rao Guru	Completed	do	
231	Md. Aziz Pasha	III	Intermediate College, Warangal.	
232	M. Ram Krishnayya	II	do	
233	Shaikh Abul Hasan Junedi	III	do	
234	Sayyid Rashiduddin Ahmad	III	do	
235	Md. Abdul Rahim	II	do	
237	Md. Faqir Ahmad	III	do	
239	K. Ranga Rao	III	do	
243	P. Lakshman Rao	III	Ex-Student.	
244	Muhammadi Begum	II	Zenana College	
245	Sirajun Nisa Begum	II	Private.	
250	Samiuddin	III	do	
251	Shaikh Mahtab	III	do	
252	B. Sonaji Suvai	III	do	
257	Venkatesh Rao Bharti	Completed	do	

		III		
258	Kishan Rao	Completed		do
261	J. Ram Kishan Rao	do		do
266	Md. Ismail Sharif	do		do
267	Razzaq Munawwar	do		do
268	Md. Siddiq Khan	do		do
269	Qadir Ahmad			do
271	A. Srinivas Reddi			

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Roll No.	Name	Class	Remarks
	OSMANIA UNIVERSITY COLLEGE.		
81	Sayyid Husain	I	
64	Mir Waliuddin	I	
58	Muhammad Salahuddin	I	
79	Ahmad bin Abdullah	I	
81	Mir Siadat Ali Khan	I	
84	Muhammad Ziauddin Ansari	I	
78	T. Murtinji Rao	I	
56	Sayyid Abdul Alim	I	
2	Yusufuddin Ahmad Siddiqi	II	
3	Muhammad Rauful Hasan Quraishi	III	
4	Habib Hasanuddin	II	
6	Muhammad Abdul Alim	II	
7	Sayyid Muhammad Ahsan	II	
8	Muhammad Fida Ali Khan Faruqi	III	
9	Muhammad Abdus Sattar	III	
10	Sayyid Anisuddin Ahmad	II	
11	Sayyid Wilayat Ali	II	
12	Sayyid Shafiuddin Ahmad	III	
14	Sahibzada Khawja Mir Ahmad Ali	III	
15	Abul Fakhar Muhammad Abdul Wahid	III	
18	Mir Jafar Ali Sadiq	III	
19	Muhammad Wazir Ali	III	
20	Muhammad Waliullah	III	
21	Latif Ahmad Faruqi	II	
22	Abdul Aziz Khan	II	
23	Sahibzada Khawja Mir Muhammad Ali	III	

No.	Name	
24	Sahibzada Mir Kazim Ali Khan	III
25	Qari Sayyid Kalimullah Hussaini	III
26	Muhammad Abul Hasan	III
29	Budh Singh Yadu	II
30	Ramchandar Rao Kartarikar	III
32	Muhammad Akbar Ali Khan	II
33	Shaikh Ali Husain	III
34	Abdul Majid Siddiqi	II
38	Sayyid Muhammad Hasan Askari	III
42	Sayyid Abdul Naim	II
43	Mir Mahmud Ali	III
44	Sayyid Asadullah Rizvi	II
45	Hallay Rao Kulkarni	III
46	Hanmanth Narayan Patankar	III
50	Sayyid Ahmad Ali Kirmani	II
51	Ghulam Ghaus Khan	II
52	Muhammad Nizamuddin	III
53	Ahmad Abdul Bashir Khan Arab	II
55	C. P. Naganna	III
57	Sayyid Muinuddin Quraishi	III
59	Muhammad Sanaullah Sharif	II
60	Mir Hasanuddin	III
61	Qurban Ahmad	III
62	Hidayat Ahmad	II
63	Mahmud Ali Beg	III
65	Muhammad Abdur Rashid	II
66	Muhammad Kalimuddin Ansari	III
67	Manik Rao	III
68	Narhar Narsiwan Rao Wargantiwar	II
69	Shesh Rao Kamtikar	III
70	Krishan Rao Deshmukh	III
71	Krishnachari Joshi	III
72	Govind Panduharinath Kulkarni	III
73	Pandoji Dhagay	II
74	Raghubir Parshad Saksina	III

B. A. EXAMINATION 1882 F.—1923.

Roll No.	Name				Class	Remarks
75	Ramchandar Rao Manjaramkar	:	:	:	III	
76	Muhammad Azizur Rahman	:	:	:	II	
77	Muhammad Ahmad Osmani	:	:	:	II	
80	Muhammad Sharfuddin	:	:	:	II	
82	Abul Muzaffar Muhammad Maqbul Ali	:	:	:	II	
83	Muhammad Nazimddin	:	:	:	II	
	PRIVATE CANDIDATES.					
86	Aga Muhammad Ahsan	:	:	:	III	
87	K. Ram Krishan Rao	:	:	:	III	
88	Ali Musa Raza Mahajir	:	:	:	II	
89	Ghulam Qadir	:	:	:	III	
90	Sayyid Abdul Rahman	:	:	:	III	
91	Muhammad Abdul Aziz	:	:	:	II	

B. A. EXAMINATION 1888 F.—1924.

Roll No.	Name		Class	Remarks
	OSMANIA UNIVERSITY COLLEGE.			
58	Sayyid Mahmud Alam	..	I	
60	Muhammad Wazir Ahmad Quraishi	..	I	
43	Khwaja Muniruddin	..	I	
1	Saif bin Sultan Hussain-ul-Qaiti	..	III	
2	Muhammad Ataur Rahman	..	III	
3	Muhammad Abdul Muiz	..	II	
6	Khwaja Muhiuddin	..	III	
7	Raza Muhammad Khan	..	III	
9	Sayyid Abdul Alim	..	II	
10	Sayyid Ahmad Ali	..	III	
11	Muhammad Habibullah Rushdi	..	II	
12	Muhammad Murtaza Husain Faiq-ul-Quraishi	..	II	
13	Muhammad Husain Siddiqi	..	III	
14	Mirza Ziauddin Beg	..	III	
15	Muhammad Muhiuddin Quraishi	..	II	
16	Azizuddin Ahmad Siddiqi	..	III	
19	Eknath Vishun Dhokte	..	II	
20	Raghunath Rao Bhusari	..	II	
21	Renuka Das Rao	..	II	
22	Narayan Rao Nandapurkar	..	II	
23	Prankasam Narayan Rao	..	III	
24	Sayyid Ghaus Muhiuddin	..	III	
25	Sayyid Aminuddin	..	II	
26	Sayyid Qalandar Husain	..	III	
27	Faiz Muhammad Khan	..	II	
29	Muhammad Abdul Aziz	..	II	
80	Muhammad Fariduddin Ansari	..	II	

B. A. EXAMINATION 1888 F.—1924.

Roll No.	Name	Class	Remarks
32	Mir Siddiq Ali	III	
38	Muhammad Abdul Jabbar Subhani	III	
38	Sayyid Anwar Husain Rizvi	II	
39	Sayyid Ibrahim Rizvi	II	
41	Sayyid Fazlul Haq	II	
42	Muhammad Ilyas Khan	III	
46	Bhujang Rao Chakahe	III	
47	Pasmamla Narsimha Rao Sharma	III	
48	Dattatry Rao	II	
49	Ahmad Husain Khan	III	
50	Khwaja Ziauddin Ahmad	III	
51	Sayyid Shah Ali Sani Nahri	III	
52	Sayyid Abdul Jabbar	III	
53	Muhammad Jahangir Ali Siddiqi	III	
56	Haidar Mirza	III	
57	Shiv Mohan Lal Mathur	III	
59	Muhammad Zakiuddin	II	
61	Abul Fath Nasrullah	III	
62	Muhammad Muniruddin	III	
71	Sayyid Sibte Nabi	III	
73	Parihad Rao Dandote	III	
80	Abdul Latif	III	
	PRIVATE.		
83	Sayyid Nadimul Hasan Rizvi	II	
86	Muhammad Azizuddin	II	
87	Muhammad Abdul Ali	III	
88	Kesho Vaman Indorkar	III	
89	Ghulam Tayyib	II	
91	Naushaba Khatun	II	

B. A. EXAMINATION 1884 F.—1925.

OSMANIA UNIVERSITY COLLEGE.

Roll No.	Name	Class	Remarks
94	Muhammad Raziuddin Siddiqi ..	I	
59	Chaturvedi Narayan Das ..	I	
63	Sayyid Ahmad Sharif ..	I	
1	Yusuf Husain ..	III	
3	Sayyid Ghulam Muhiuddin Qadri	II	
6	Muhammad Amir ..	II	
7	Muhammad Abdul Qadir Sarwari	III	
8	Mirza Nasir Ali Beg	III	
12	Shaikh Farid Husain	II	
13	Bahadur Ali Khan Bozai	II	
15	Aziz Ahmad Khan ..	III	
16	Muhammad Sayeed..	III	
19	Aqa Muhammad Ali	II	
23	Kodati Ram Kishan Rao	III	
25	Madhu Hari Marhikar	II	
26	Parbhakar Damodar Shendarkar	III	
27	Sitaram Ram Rao Manathekar	II	
28	Bhikaji	III	
30	Sayyid Muhammad Akbar Wafaqeni	II	
31	Mir Waris Ali ..	II	
32	Sayyid Zia-u-Arifin Rizvi ..	III	
34	Muhammad Muzaffaruddin Khan	II	
38	Abu Tayyab Zahiruddin Ahmad	III	
41	Muhammad Abdur Rauf ..	III	
46	Muhammad Abdul Rahim Khan	III	
47	Muhammad Hamiduddin Mahmud	II	
49	Jiwan Rao Babalgaunkar ..	III	

B. A. EXAMINATION 1334 F.—1925.

Roll No.	Name	Class	Remarks
	OSMANIA UNIVERSITY COLLEGE.		
52	J. Sangaiya	III	
54	Govind Rao Deshpande	III	
58	Prankasham Narsiwan Swami	II	
60	Praveli Anant Ramaiyya	III	
61	Sarva Deo Bhaatla Venkat Ramaiya	III	
62	Sayyid Mubarak Husain	II	
64	Sayyid Rafiuddin	III	
65	Sayyid Ainuddin Abid	III	
66	Sayyid Ziaul Haq	II	
67	Sayyid Yusuf	III	
68	Sayyid Muhammad Husain	III	
69	Imtiyaz Husain	II	
71	Mahtab Ali	III	
72	Ahmad Abdul Wali Fiza	III	
73	Abul Khairat Muhammad Kamaluddin	II	
76	Muhammad Abdul Wahid	III	
82	Muhammad Zahurul Hasan Quraishi	III	
86	Manohar Singh	III	
87	Benkat Parshad	II	
88	B. N. Dwarkanath Iyengar	III	
92	Raghunath Kache	III	
99	Muhammad Afzaluddin	III	
100	Muhammad Ibrahim	III	
101	Abul Hayat Muhammad Abdul Qadir	II	
103	Muhammad Sardar Khan	III	
104	Muhammad Abdul Hafiz	II	
106	P. N. Srikishan	II	
107	G. N. Sharma	III	
109	Habib Zainul Abidin	III	

No.	Name				Status
111	Sahibzada Abdus Sattar Beg Taimuri	..	..	..	III
112	Sayyid Wiqar Ahmad	..	..	..	II
118	Mohin-uz-Zafar	..	..	..	III
114	Muhammad Sultan	..	..	..	III
117	Sayyid Ghulam Qadir	..	..	..	III
118	Sayyid Zafar Husain Zaidi	..	..	..	III
119	Sayyid Muhammad Kazim Ali Khan	..	..	..	III
122	Sayyid Fasihuddin Ahmad Kazimi	..	..	..	III
123	Masud Hasan Khan	..	..	..	III
124	Sayyid Muhammad Noman	..	..	..	III
126	Muhammad Abdul Rahman	..	..	..	III
127	Muhammad Yahya Osmani	..	..	..	III
129	Babu Rao Kashikar	..	..	..	III
132	Sayyid Muhamma-l Hasan Rizvi	..	?	..	Completed
135	Sayyid Ahmad Ali	..	..	..	do
136	Sayyid Ahmad	..	..	..	do
	Muhammad Husain Khan	..	..	..	

PRIVATE.

No.	Name				Status
139	Mirza Osman Ali Beg	..	..	..	III
140	B. Keshavlu	..	..	..	II
141	S. V. Shastri	..	..	..	III
143	Muhammad Abdul Aziz	..	..	..	III
145	Muhammad Khizar Khan	..	..	..	III
147	Narayan Singh	..	..	..	III
151	Fakhruddin Ahmad	..	..	..	II

B. A. EXAMINATION—1885 F.—1926.

OSMANIA UNIVERSITY COLLEGE.

Roll No.	Name	Class	Remarks
75	Hamid Ahmad Khan	I	
1	Sayyid Md. Yunus Vafaqani	II	
4	Sayyid Yasin Ali Khan	II	
7	Md. Ghaus Muhiuddin	II	
8	Mirza Kazim Ali	III	
9	Inayat Khan	II	
10	Kodati Venkateshwar Rao	II	
11	Ilendla Sitaram Rao	III	
15	Sayyid Aminuddin Husain	III	
18	Ahmad Abdul Hamid	II	
19	Md. Badshah Khan	III	
22	Ghulam Muinuddin Ghazi	III	
26	Md. Abdul Qadir Siddiqi	III	
27	Sayyid Muhammad	II	
30	Abdul Jalil	II	
32	Sayyid Md. Nawab	III	
33	Mir Kazim Ali	II	
34	Ali Md. Khan	III	
38	Murlidhar Rao Ghanekar	II	
39	Bhim Sen Rao	II	
40	Ahmad Abdul Majid	III	
41	Md. Obaid-ullah Kazimi	III	
42	Md. Ibrahim Khan Hashimi	III	
47	Ghaziuddin Ahmad	II	
48	Md. Nazirullah	II	
49	Ahmad Abdul Hakim	II	
51	Sayyid Abdur Rab	III	Absent in Theology.

54	Ahmad Abdul Aziz	II
56	Sayyid Ghaus Muhiuddin	III
57	Shaikh Tajammul Husain	II
58	Sayyid Abdul Ali	II
59	Sayyid Raza Husain	II
60	Madan Mohan Lal	II
61	Ghulam Dastagir	II
62	Md. Ghausuddin	III
64	Qamaruzzaman Khan	III
67	Vemgunti Ratnakar Rao	II
68	Kirat Chand	II
70	Mirza Ibrahim Ali Beg	III
76	Omar Daraz Khan	III
78	Abdul Hamid	III
81	Sayyid Muhammad Ahmad	III
81	Md. Zakiuddin Siddiqi	III
82	Bahadur Ali Khan	III
83	Md. Shahabuddin	II
84	Suraj Chand	II

EX-STUDENTS.

90	Md. Abdul Latif Siddiqi	III
91	Md. Fakhruddin	III
95	Yadgiri Anjaiya	III
96	Abdul Rahim Khan Golkondavi	III
97	Md. Abdul Aziz	II
98	Ahmaduddin Ahmad	III
99	Sayyid Mumtaz Ali Hashimi	III
101	Md. Abdus Samad	III
104	Sayyid Hamiduddin	III

B. A. Examination 1885 F.—1926.

Roll No.	Name	Class	Remarks
105	Ghulam Hyder	III	
106	Vanma Ramchandar Rao	III	
107	Hanmantha Chari	III	
110	Bhima Chari Kinhalkar	III	
113	Md. Muhiuddin Sharif	III	
118	Md. Yusuf Ali Khan	II	
119	Mir Zahir Ali Khan	III	
121	Videraj Srinivas Rao	III	
123	Sayyid Wahid Ali Jafari	III	
125	Sayyid Jafar Ali	III	
127	Polam Krishna Reddy	III	
131	Fazlullah Ahmad	Completed	
132	Khwaja Md. Abdul Baqi	do	
135	Hanmantha Chari	II	
	PRIVATE.		
14	Bhagwan Pershad Mehindra	III	
137	Ahmad Abdullah Siddiqi	II	
142	Abdul Aziz Khan	III	
143	Md. Siddiq	III	
145	Mirza Qadir Ali Beg	III	
149	Md. Abdul Karim	III	
150	J. Tirath Achari Agni Hotri	III	
152	Shaikh Qadir Muhiuddin	III	
154	Abdush Shukur Khan	II	
155	Durratul Biza Begam	II	
156	S. Srinivas Chari	III	

B. A. EXAMINATION 1886 F.—1927.

OSMANIA UNIVERSITY COLLEGE.

Roll No.	Name	Class	Remarks
2	Muhammad Omar	III	
3	Khwaja Muhammad Ahmad	II	
5	Sayyid Ibn-i-Ali	II	
6	Muhammad Maqbool Husain	III	
9	Muhammad Tabarak Ali Khan	III	
12	Abdullah bin Muhammad	III	
14	Muhammad Muinuddin	III	
15	Muhammad Sakhawat Mirza	III	
16	Muhammad Abdush Shukur	II	
17	Mirza Bismallah Beg	II	
22	Nagheshri Pershad	III	
28	Ganesh Pershad	II	
25	Dhondu Panth Shendrikar	III	
26	Vishnu Panth Kulkarni	II	
27	Videraj Seshagiri Rao	III	
28	Madapati Ramchander Rao	II	
29	Ashwatha Rao Bulkandi	III	
30	Ghulam Muhammad Nasiruddin Ahmad Ansari	III	
31	Sayyid Yusuf	II	
37	Mir Abu Talib	III	
39	Muhammad Jamaluddin	III	
41	Sayyid Abdul Latif Razvi	II	
45	Sayyid Meherban Ali	III	
46	Muhammad Abdul Qaiyum Khan	III	
47	Venkat Rao Puranik	III	
48	Narayan Rao	III	
52	Satnarayan Waghray	III	

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B. A. EXAMINATION 1886 F.—1927.

Roll No.	Name	Class	Remarks
58	Trimbak Rao Maharulkar	III	
54	Pandit Rao Kale	III	
60	Sayyid Muhammad Kazim Khan	III	
60	Khwaja Muhammad Moinuddin	III	
70	Bhagwan Rao Chapadgaonkar	II	
72	Muhammad Zulfaqar Husain Faruqi	II	
75	Sayyid Muhammad Ali Khan	III	
78	Vithal Das	II	
79	N. Ram Lal	II	
82	Sayyid Faruq Husain	III	
88	Muhammad Yusufuddin	II	
86	Mirza Mahmud Ahmad Khan		
	EX-STUDENTS.		
91	Muhammad Jalaluddin	Completed	
100	M. Seshi Reddy	III	
110	Sayyid Abdul Mannan	III	
113	Hanmanth Rao Vishnu	Completed	
116	Muhammad Ikramullah	do	
117	Muhammad Abdus Salam	do	
119	Sayyid Viqayatullah	do	
120	Muhammad Munim Khan	do	
121	Muhammad Abdul Rahman	do	
123	Muhammad Yamin Zubairi	do	
124	Sayyid Abdur Rab	do	Passed in Theology.
	PRIVATE		
129	Muhammad Karimullah Khan	III	
180	Sayyid Allah Baksh	II	
181	Sayyid Hamiduddin	III	
185	Karamat Ali	III	

B. A. EXAMINATION 1387 F.—1928.

OSMANIA UNIVERSITY COLLEGE.

Roll No.	Name	Class	Remarks
1	Abul Makarim Faiz Muhammad Siddiqi	III	
3	Muhammad Abdul Rahman Mahajir	III	
5	Haji Ghulam Muhammad	II	
7	Sudershan Raj	II	Failed in Morals.
10	Muhammad Maqbul-ul-Haq	III	
12	Aliuddin Ahmad	II	Ex-Student.
14	Muhammad Rahatullah Khan	II	
15	Muhamamd Abdul Qadim Siddiqi	III	
16	Sayyid Khwaja Husain	III	
20	Mir Zahuruddin	II	
25	Muhammad Moazzam Khan	III	
28	Muhammad Hanif	III	
30	Shaikh Muhammad Mustafa Ali	III	
31	Sayyid Muhammad Abbas	III	Failed in Morals.
35	Bidarkar Keshav Rao	III	do
37	Shanka Rao Sada Varte	II	
39	Gangadhar Rao Patki	II	do
40	Bhimshen Acharya	II	
41	Bhim Rao Deshpande	III	
42	Gopal Rao Moramkar	II	Failed in Theology.
44	Sayyid Sharfuddin	II	
46	Yusufuddin Ahmad	III	
53	Muhammad Yasin	III	
57	Farid Ahmad	III	
58	Sayyid Osman Jafar	II	
60	Muhammad Wahidullah Khan	III	
69	Abu Nasr Fathullah	II	

B. A. EXAMINATION 1337 F.—1928.

Roll No.	Name				Class	Remarks
70	Ghiasuddin Ahmad	..	..	..	III	
78	Muhammad Badruddin Khan	..	..	..	III	Failed in Theology.
74	Mir Ahmad Husain	..	..	..	III	
75	Ghulam Muhiuddin Khan	..	..	..	III	
76	Mir Tilawat Ali Zaidi	..	..	..	III	
79	Muhammad Abdul Wahab Khan	..	..	..	III	
83	Mir Ahmad Ali Khan	..	..	..	III	
85	Murtaza Khan	..	..	..	II	
88	Devi Pershad Mishr	..	..	..	III	
89	B. Venkob Rae Pagri	..	..	..	III	Failed in Morals.
91	Vithal Rao Deshmuk	..	..	..	III	
92	Muhammad Abdul Hakim	..	..	..	II	
93	Muhammad Abdul Bari	..	..	..	III	
94	Muhammad Abdur Rab	..	..	..	II	
97	Muhammad Mazhar Husain	..	..	..	III	
98	Ghulam Muhammad	..	..	..	III	
100	Muhammad Abdul Ghafur	..	..	..	III	Failed in Morals.
101	Mir Taqi Ali	..	..	..	III	
103	P. Narsimlu	..	..	..	III	
105	Muhammad Ghulam Jilani	..	..	..	III	
107	Ramayia	..	..	..	II	
108	B. Ranga Reddy	..	..	..	II	
	EX-STUDENTS.					
116	Muhammad Siddiq Husain	..	..	..	III	
182	G. B. Harvalkar	..	..	..	III	
134	G. B. Joshi	..	..	..	III	
186	Chandar Mohan Lal	..	..	..	III	

189	Raghobir Bali	III	Failed in Morals.
147	Muhammad Intasaruddin	II	
149	Shaikh Chand	Completed	
151	Sahibzada Mir Dost Ali Khan	do	
152	Habib Khan Sandozi	do	
154	Sayyid Abdul Karim Ishaqi	do	
	PRIVATE.		
159	Muhammad Murtaza Husain	III	Failed in Theology.
163	Babu Singh	II	
165	Muhammad Badruddin Hasan Siddiqi	III	

B. A. EXAMINATION, 1888 F.—1929.

Roll No.	Name		Class	Remarks
	OSMANIA UNIVERSITY COLLEGE			
64	Akbar Ali	..	I	
2	Sayyid Pasha Muhiuddin	..	III	
8	Muhammad Fazl Haq	..	II	
11	Abdul Rahim	..	II	
12	Muhammad Rahmatullah	..	II	
13	Bandhu Mahadav Pagri	..	III	
15	Aga Jafar Husain	..	II	
17	D. Kishan Rao	..	II	
18	Malkarjan Towkri	..	II	
21	Muhammad Hamiduz Zafar	..	III	
22	Ghulam Jilani	..	II	
23	Sayyid Fariduddin Ahmad	..	III	
24	Sayyid Mustafa	..	III	
27	Mahmud Khan	..	III	
28	Muhammad Shujauddin	..	II	
29	Mir Muhammad Alam	..	III	
30	Ghulam Ahmad	..	III	
31	Sayyid Ghaus Muhiuddin Razvi	..	II	
32	Srinavasa Rao Godorkar	..	III	
34	Sayyid Muhammad Murtaza	..	III	
35	Gopal Rao	..	III	
38	Kishan Rao Achat Rao Chowdri	..	II	
39	N. Komriah	..	III	
40	Narhar Rao Ranjlikar	..	III	
41	Ghulam Athar	..	II	
42	Sayeeduddin Khan	..	III	
43	Muhammad Abdur Rauf	..	III	
45	Khwaja Muhammad Muinuddin	..	III	
59	Muhammad Ghausdad Khan	..	II	
60	Muhammad Samiullah	..	II	

No.	Name	Result	Remarks
61	Hamid bin Shabbir	III	
68	K. Rahnaswami	II	
76	Muhammad Abdul Hai	II	
86	Rashiduddin Ahmad	III	
87	Muhammad Abdul Hamid	III	
88	Qazi Fanshiuddin Ahmad Siddiqi	III	
96	Mahmud Ali Khan	III	
100	Abul Mansur Hamid	III	
104	Muhamad Sardar Ali	III	
119	Khwaja Sayyid Abdul Quddus	II	
124	Buswappa Alwor	Completed	
140	Muhammad Abdul Subbor	do	
144	Muhiuddin Ahmad Qureshi	do	
150	Muhammad Abdullah		
	PRIVATE.		
155	Muhammad Hafizullah Mir	III	Failed in Theology.
156	Shaikh Ghulam Sarvar Khan	II	
157	Ghulam Dastagir Faruqi	III	
161	C. Dharam Raj	II	Failed in Morals.
164	Iftakar Ali	III	
167	Sayyid Zahid Husain	II	
169	V. M. Subramanyam Pillai	III	
	FACULTY OF SCIENCE.		
50	Muhammad Siddiqi	II	
51	Muhammad Abdul Wahab	II	
53	Davalpalli Venkateshwar Rao	III	
54	Nazir Ahmad Tahir	II	
55	Muhammad Khalil-ur-Rahman	II	
56	Muhammad Itrat Husain Zubairi		
	EX-STUDENTS.		
129	Maelahuddin Ahmad Faruqi	III	
180	Narhar Rao Bakshi	III	

B. A. EXAMINATION 1889 F.—1980.

Roll No.	Name				Class	Remarks
	OSMANIA UNIVERSITY COLLEGE.					
1	Muhammad Hakim Kosgavi				II	
3	Muhammad Bashir Ahmad				II	
5	Muhammad Zakaullah Shahpuri				II	
10	Muhammad Ghulam Dastgir Rashid				II	
11	Sayyid Fazlur Rahman				II	
13	Bhimsen Rao Taug				II	
15	Digambar Rao Chaudhri				II	
19	Narsing Rao Deshmukh				II	
20	Narhar Rao Deshpandya				II	
23	Sayyid Yusufuddin				II	
24	Muhammad Asrar Husain Hashimi				III	Failed in Theology.
25	Muhammad Kazim Raza				III	
26	Muhammad Yaqub Khan				III	
27	Mirza Shukur Beg				III	
30	Uttam Rao Maharulakar				III	
31	Bapu Rao Deshmukh				III	
32	Rai Bandyachand Mathur				III	
33	Trimbak Rao Kharsale				III	
35	S. Shankar Rao				II	
36	Dacharam Ramraj Narsihvan Rao				III	
37	Sayyid Sirajuddin Ahmad				III	
38	Sayyid Nazir Husain				III	
39	Sayyid Abdul Rahim				III	
40	Muhammad Abdul Ghaffar Chishti				III	
42	Gurunath Rao Apranji				III	
43	Govind Rao				III	
44	Mir Iqbal Ali Zaidi				II	

45	Eta Lakshmya	..	..	..	III
49	Muhammad Abdul Qaliq	..	..	..	III

EX-STUDENTS.

52	Abdul Qadir	..	..	..	III
54	Muhammad Hafiz	..	..	..	III
57	Ghulam Muinuddin	..	..	..	III
60	Gokal Das	..	..	..	III
61	D. Guru Das	..	..	..	III
62	J. Tirath Anant Puranaik	..	..	..	III
68	Nabiul Hasan	..	..	..	III
71	Dharam Rai	..	..	..	III
78	K. Vidyanand	..	..	..	III
74	Badri Lal	..	..	..	II
76	Ramchandra Reddi	..	..	..	III
77	Rai Hindkishore Mathur	..	..	..	III
81	Radha Kishan Rator	..	..	..	III
84	Zulfaqar Ali Khan	..	..	..	III
85	Rivanna	..	..	..	III
86	Muhammad Alauddin	..	..	..	Completed
90	Muhammad Amjad Ali	..	..	..	do
91	Muhammad Shabbir Ali Khan	..	..	..	do
95	Ali Bin Ghalib	..	..	..	do
96	Sayyid Karimuddin Husain	..	..	..	do
97	Muhammad Yusufuddin Faiq	..	..	..	do
98	Mahmud Ali	..	..	..	do
99	Bar Srinivas Rao	..	..	..	do
101	Krishnaji Govind Rao Hatnalikar	..	..	..	do
102	Venkob Rao	..	..	..	do

PRIVATE.

105	Abdul Wahab	..	..	..	III
106	Muhammad Jilani	..	..	..	III
107	Muhammad Abdur Rashid Beg	..	..	..	III

B. A. Examination 1889 F.—1930.

Roll No.	Name	Class	Remarks
	PRIVATE.		
109	R. Gundappa	III	
112	Sayyid Ahmad Husain	III	
118	Manik Rao	III	
115	Ratan Lal	II	Passed in Theology
119	Muhammad Hafizullah	:	
	FACULTY OF SCIENCE.		
	OSMANIA UNIVERSITY COLLEGE.		
180	Sayyid Shah Muhammad	I	
125	C. Somasundram	I	
124	Ravada Satya Narayan	I	
121	Muhammad Abun Naim Siddiqi	III	
128	Rai Naranjan Pershad Mathur	III	
188	Mir Asad Ali	III	
184	C. Surya Narayan Murti	II	
	EX. STUDENTS.		
189	Sardar Singh	III	

M. A. Examination 1834 F.—1925.

Roll No.	Name	Class	Remarks
	OSMANIA UNIVERSITY COLLEGE.		
1	Qari Sayyid Kalimullah Husaini	II	
2	Latif Ahmad Faruqi	II	
4	Muhammad Wazir Ali	III	
5	Muhammad Abdus Sattar	III	
6	Muhammad Sanaullah Sharif	II	
7	Abul Fakhr Muhammad Abdul Wahid	II	
8	Mir Jafar Ali Sadiq	II	
9	Budh Singh Yadu	III	
10	Abdul Majid Siddiqi	III	
11	Mir Syadat Ali Khan	II	
14	Ziauddin Ansari	III	
15	Muhammad Naziruddin	III	
16	Shaikh Barkat Ali	II	
	M. A. Examination—1835 F.—1926.		
1	Saif-bin-Sultan Husain-ul-Qaiti	II	
2	Md. Husain Siddiqi	III	
4	Khawja Muniruddin	II	
7	Mir Mahmud Ali	III	
	M. A. Examination 1836 F.—1927.		
1	Habib Zainulabidin	III	
2	Muhammad Habibullah Rushdi	III	
4	Muhammad Abdul Qadir Sarwari	II	
5	Sayyid Ghulam Muhiuddin Qadri	II	

M. A. Examination 1886 F.—1927.

Roll No.	Name		Class	Remarks
	OSMANIA UNIVERSITY COLLEGE.			
6	Sayyid Viqar Ahmad	..	III	
9	Venkatesh Narsihvan Patwari	..	II	
	M. A. Examination 1337 F.—1928.			
3	Sayyid Muhammad	..	II	
4	Ali Muhammad Khan	..	III	Ex-Student
6	Syed Muinuddin Qureshi	..	III	
	M. A. Examination 1338F.—1929.			
1	Khawja Muhammad Ahmad	..	III	
2	Muhammad Abdul Qaiyum Khan	..	II	
3	Muhammad Abdul Rahman	..	III	
4	Ahmad Abdul Hamid	..	III	
5	Mirza Mahmud Ahmad Khan	..	II	
	M. A. Examination 1339 F.—1930.			
3	Muhammad Abdul Qadim Siddiqi	..	II	
4	Sayyid Khawja Husain	..	III	
5	Muhammad Rahatullah KHan	..	II	
6	Shaikh Chand	..	II	
7	Muhammad Ali	..	III	

MATRICULATION EXAMINATION 1887 F.—1928.

Roll No.	Name	School	R. marks
	FACULTY OF THEOLOGY		
	MATRICULATION EXAMINATION 1887 F.—1928.		
9	Sayyid Muhammad Saleh Hashimi	I	Gulburga High School.
13	Ejaz Ahmad	I	do
2	Sayyid Husain	II	Darul-Ulum High School.
4	Sayyid Abdul Rahman Hashimi	Completed	do
11	Muhammad Maslehuddin	II	Gulburga High School.
17	Muhammad Asadullah	Completed	do
18	Muhammad Mahmud Husain	do	do
	MATRICULATION EXAMINATION 1888 F.—1929.		
9	Muhammad Yahya	(Hons.)	do
2	Abu Tahir Ahmadullah	I	Darul-Ulum High School.
1	Muhammad Abdul Ghani	II	do
3	Khwaja Fariduddin Ahmad	II	do
4	Muhammad Munawwar Khan	Completed	Aurangabad High School.
7	Habib Ahmad Khan	II	Gulburga High School.
10	Rafi-uz-Zaman	Completed	do
11	Muhammad Ibrahim	do	do
12	Muhammad Abbas Ali	II	Raichur High School.
15	Muhammad Abdul Aziz	Completed	do
17	Sayyid Habib-ur-Rahman	do	do
18	Muhammad Abdul Hafiz	do	do
	MATRICULATION EXAMINATION 1889 F.—1930.		
8	Md. Osman Ali Siddiqi	I	Darul-Ulum High School.
1	Sayyid Najmuddin Yadul-lahi	I	do
2	Md. Abdul Wahab Khan	II	do
4	Md. Badruddin Siddiqi	II	High School, Mahbubnagar.
5	Md. Osman Khan	II	do
6	Md. Abdul Rahim	II	do
7	Sayyid Amjad Ali	II	do
8	Abul Fath Md. Nasrullah Sulaimani	Completed	Warangal.

INTERMEDIATE EXAMINATION 1887 F.—1928.

Roll No.	Name	College	Remarks
1	Sayyid Zamir Ali	II	Osmania University College.
3	Muhammad Osman	II	do
5	Muhammad Makhdum	III	do
6	Sayyid Ismail	II	Ex-Student do
7	Abu Turab Ali Siddiqi	Completed	Ex-Student do

INTERMEDIATE EXAMINATION, 1888 F.—1929.

Roll No.	Name	College	Remarks
2	Sayyid Asadullah Yadullahi	III	Osmania University College
3	Muhammad Habibullah Faruqi	II	do
4	Muhammad Abdul Qadir	III	do
5	Mahbub Khan Yusufzai	II	do
6	Muhammad Abdul Moid Khan	II	do
7	Muhammad Abdus Sattar Faruqi	III	do
8	Muhammad Abdul Rahman Khan	III	do

INTERMEDIATE EXAMINATION 1889 F.—1930.

Roll No.	Name	College	Remarks
1	Ejaz Ahmad	III	do
2	Sayyid Husain	III	do
4	Muhammad Maslehuddin	III	do

B. A. EXAMINATION 1332 F.—1928.

Roll No.	Name	Class	College
1	Qazi Mohammad Abdul Qadir Siddiqi	II	Osmania University College.
	B. A. EXAMINATION 1333 F.—1924.		
1	Sayyid Abdul Shukur	II	do
2	Muhammad Khawja Qutubuddin Qari	III	do
	B. A. EXAMINATION 1334 F.—1925.		
2	Sayyid Azmatullah Husaini Bakhtiyari	III	do
	B. A. EXAMINATION 1335 F.—1926.		
1	Sayyid Saadat Ali	II	do
	B. A. EXAMINATION 1336 F.—1927.		
4	Sayyid Muhammad Safi	Completed	Ex-student Osmania University College.
	B. A. EXAMINATION 1337 F.—1928.		
1	Ahmad Abdullah-al-Masdusi	II	Osmania University College.
2	Muhammad Ghaus	II	do
3	Muhammad Hamidullah	II	do
	B. A. EXAMINATION 1338 F.—1929.		
1	Muhammad Ghaus Muhiuddin	II	Osmania University College.
	B. A. EXAMINATION 1339 F.—1930.		
1	Sayyid Zamir Ali	II	do
3	Sayyid Liaqat Husain	Completed	Ex-Student Osmania University College.
	M. A. EXAMINATION 1334 F.—1924.		
	Qazi Muhammad Abdul Qadir Siddiqi	I	Osmania University College.

M. A. EXAMINATION 1337 F.—1928

Roll No.	Name	Division	Remarks
1	Sayyid Saadat Ali	II	Osmania University College
M. A. EXAMINATION 1339 F.—1930.			
1	Muhammad Hamidullah	I	do
2	Muhammad Ghaus	II	do
M. Sc. (PREVIOUS) EXAMINATION.			
OSMANIA UNIVERSITY COLLEGE.			
1	Murtunji Rao	III	
2	Haji Ghulam Muhammad	II	
3	Sudarshan Raj	II	
4	Muhammad Zakiuddin	II	
5	Anant Venkatesh Kati	I	
6	Inayat Khan	I	
7	Qazi Sayyid Muniuddin	II	
8	Muhammad Maqbulul Haq	II	
M. Sc. (PREVIOUS) EXAMINATION 1339 F.—1930.			
1	Muhammad Zulfaqar Hussain Faruqi	II	
3	Muhammad Khalil-ur-Rahman	II	
4	Nazir Ahmad Taher	I	
M. Sc. (FINAL) EXAMINATION 1339 F.—1928.			
1	Muhammad Zakiuddin	II	Osmania University College.
2	Haji Ghulam Muhammad	III	do
3	Sudarshan Raj	II	do
4	T. Murtanji Rao	II	do
5	Qazi Sayyid Muinuddin	I	do
6	Inayat Khan	I	do
7	Anant Venkatesh Kati	II	do

LL. B. (PREVIOUS) EXAMINATION 1337 F.—(1928).

Arranged in order of Merit.

Roll No.	Name	Class	Remarks
25	H. Ram Lal	I	
3	Trembak Rao Maharolkar	I	
7	Sayyid Saadat Ali	I	
24	Hanmant Rao Vishnu	I	
32	Muhammad Emaduddin	I	Ex–Student
18	Ghulam Md, Nasiruddin Ahmad Ansari	I	
15	Muhammad Jamaluddin	I	
1	Ashvrath Rao Balkondi	I	
21	Muhammad Munim Khan	I	
16	Muhammad Zakiuddin Siddiqi	I	
11	Sayyid Muhammad Kazim Khan	I	do
27	Bhemachari Kanhalkar	I	
14	Muhammad Jalaluddin	I	
23	Narain Rao	I	
5	Khawja Muhammad Ahmad	I	do
10	Sayyid Abdul Mannan	I	
26	M. Sesh Reddy	I	do
12	Sayyid Viqayatullah	I	
6	Raghunath Rao Bhaasri	II	
33	Madan Mohan Lal	II	
19	Muhammad Abdul Qadir Qureshi	II	
18	Muhammad Abdus Salam	II	
30	Sayyid Abdul Rab	II	
20	Muhammad Maqbul Husain	II	
2	Bhagwan Rao Chapargaonkar	II	
17	Muhammad Sakhavat Mirza	II	

LL. B. (Previous) Examination 1388 F.—1929.
Arranged in order of merit.

Roll No.	Name	Class	Remarks
25	Muhammad Wahidullah Khan	I	
1	Ahmad Abdulla-ul-Masdusi	I	
11	Shaikh Chand	I	
8	Devi Pershad Misra	I	
18	Ghulam Muhammad	I	
7	Chander Mohan Lal	I	
14	Ghaus Muhammad Khan	I	
5	G. B. Joshi	I	
22	Muhammad Abdul Rab	I	
23	Muhammad Abdul Ghafur	I	
28	Mir Asad Ali	I	
31	Hanmantha Chari	I	
13	Govind Rao Nagpurkar	I	
29	Mir Tilawat Ali Zaidi	I	
3	Bhim Rao Dashpendayya	I	
6	G. B. Harvalkar	I	
10	Sayyid Muhammad Safi	I	
19	Marpati Ramchander Rao	I	
2	Bashir Ahmad Tahir	I	
24	Muhammad Ghaus	II	
30	Mir Zahuruddin	II	
15	Gangadhar Rao Tapki	II	
27	Mir Ahmed Ali Khan	II	
4	P. Narsimloo	II	
16	Gopal Rao Moramkar	II	Ex–Student
34	Mirza Iqbal Ahmad Baig	II	
26	Muhammad Hamidulla	II	
26	Mir Ahmad Husain	II	
9	Sayyid Zafar Husain	II	
21	Muhammad Siddiq Husain	II	

LL. B. (PREVIOUS) EXAMINATION 1839 F.—1980

Arranged in order of merit.

Roll No.	Name	Division	Remarks
5	Srinivas Rao Godurkar	I	
16	Gopal Rao	I	
11	Ghulam Ahmad	I	
21	Malkarjanappa Todkari	I	
15	N. Kamraiya	I	
22	Narhar Rao Bakhshi	II	
18	Qazi Fasihuddin Ahmad Siddiqi	II	
17	Gopal Rao Gunde Rao Nagesh	II	
8	Muhammad Hamiduz Zafar	II	

LL. B. (FINAL) EXAMINATION 1884 F.—1925.

Arranged in order of Merit.

Roll No.	Name	Class	Remarks
	OSMANIA UNIVERSITY COLLEGE.		
1	Sayyid Muhammad Ahsan	I	
13	Arab Ganpat Rao	I	
16	Kalimuddin Ansari	I	
19	Murtanji Rao	I	
5	Ramchandar Rao Karkarikar	I	
9	Abdul Aziz Khan	I	
20	Narhar Rao Wargantiwar	I	
6	Mir Siadat Ali Khan	I	
13	Latif Ahmad Faruqi	I	
12	Abul Fakhr Muhammad Abdul Wahid	I	
10	Muhammad Abdul Alim	I	
4	Mir Hasnuddin	I	
2	Sayyid Anisuddin Ahmad	I	
17	Muhammad Gauhar Ali	I	
15	Qari Sayyid Kalimullah Husaini	I	
3	Mir Jafar Ali Sadiq	I	
7	Muhammad Sharifuddin	I	
8	Ahmad Abdul Bashir Khan Arab	I	
11	Abdul Majid Siddiqi	I	
22	Hidayat Ahmad	I	
21	Muhammad Waliullah	I	
23	Hanmanth Narayan Patankar	I	

LL. B. (FINAL) EXAMINATION 1335 F.—1926.

Arranged in order of Merit.

Roll No.	Name	Class	Remarks
	OSMANIA UNIVERSITY COLLEGE.—*contd.*		
30	Vasdev Prashad	I	
14	Renukadas Rao	I	
7	Khwaja Burhanuddin	I	
28	Qazi Muinuddin Husain	I	
29	C. P. Nagnath	I	
25	Sayyid Qalandar Husain	I	
22	Sayyid Abdul Alim	I	
19	Shesh Rao Kamtikar	I	
32	Muhammad Abul Hasan	I	
15	V. Rajeshwar Rao	I	
26	Krishna Rao Deshmukh	I	
12	Dattatraya Rao	I	
6	Budh Singh Yadav	I	
10	Muhammad Husain Siddiqi	I	
33	Qurban Ahmad	I	
1	Sayyid Muhammad Ahsan	I	
2	Muhammad Ilyas Khan Kheshgi	I	
3	Sayyid Ahmad Ali	I	
9	Muhammad Jehangir Ali Siddiqi	II	
20	Mir Siddiq Ali	II	
24	Abdul Munim Saidi	II	
4	Sayyid Aminuddin	II	
16	Sayyid Sibt-e-Nabi	II	
27	Sahibzada Khwaja Mir Muhammad Ali Khan	II	
18	Sayyid Shah Ali Sani Nahri	II	
31	Muhammad Vazir Ali	II	
11	Khwaja Muhiuddin	II	
17	Saif bin Sultan Husainul Qaiti	II	
32	Muhammad Abdul Muiz	II	
5	T. Anantha Reddi	II	

LL. B. (FINAL) EXAMINATION, 1836 F.—1927.

Arranged in order of Merit

Roll No.	Name	Class	Remarks
	OSMANIA UNIVERSITY COLLEGE.		
7	Sayyid Ziaul Arifin Razvi	I	
11	Muhammad Abdur Rauf	I	
4	Benkat Pershad	I	
3	Inder Karan	I	
12	Muhammad Abdul Qadir Sarvari	I	
5	Bhikaji	I	
10	Manik Rao	I	
13	Mir Waris Ali	I	
6	Parbhakar Damodar Shendarkar	I	
15	Raza Muhammad Khan	I	Ex-Student
8	Sayyid Yusuf	I	
2	R. Raj Pershad	I	
1	Abul Khairat Muhammad Kamaluddin	I	
14	Pasmamla Narsivan Rao Sharma	I	do
16	Sayyid Abdul Jabbar	I	do
9	Krishnachari Joshi	I	

LL. B. (FINAL) EXAMINATION 1887 F.—1928.

Roll No.	Name	Class	Remarks
	OSMANIA UNIVERSITY COLLEGE.		
20	Omar Daraz Khan	I	
34	Vem Kunti Ratnakar Rao	I	
6	Suraj Chand	I	
26	Muhammad Ahmad Ansari	I	
29	Muhammad Abdul Aziz	I	
22	Ghulam Moinuddin Ghazi	I	
1	Imtiaz Hosain	I	
14	Sayyid Mahmud Ahmad	I	
35	L. Jairam Pershad	I	
4	Jiwan Rao Babalgaonkar	I	
12	Sayyid Muhammad Husaini	I	
10	Sayyid Ghaus Mohiuddin	I	
2	Pervaili Anant Ramaiyah	I	
8	Jadubans Pershad	I	
30	Muhammad Abdul Ali	I	
15	Sayyid Mahdi Husain	I	
28	Muhammad Husain Khan	I	
23	Kirat Chand	I	
25	Madhobari Marhikar	I	
17	Shaikh Tajammul Husain	I	
21	Ghulam Dastagir	II	
31	Sayyid Mukhtar Ali Khan	II	
7	Sayyid Ahmad	II	
24	Govind Rao Deshpande	II	
18	Sayyid Muhd. Obaidullah Kazimi	II	
5	Khawja Muhammad Abdul Baqi	II	
38	Mir Kazim Ali	II	

LL. B. (FINAL) EXAMINATION 1887 F.—1928.

Roll No.	Name				Class	Remarks
27	Muhammad Badshah Khan	..	..	..	II	
82	Mir Zahir Ali Khan	..	..	..	II	
16	Sayyid Viqar Ahmad ..	..	..	..	II	
18	Azizuddin Ahmad Siddiqi	..	..	..	II	
9	Sayyid Rafiuddin ..	..	..	..	II	
8	Sayyid Ahmad Ali ..	..	..	..	II	

LL. B. (FINAL) EXAMINATION 1888 F.—1929.

Arranged in order of Merit.

OSMANIA UNIVERSITY COLLEGE.

Roll No.	Name	Class	Remarks
2	Ashuth Rao Balkundi	I	
5	Trumbak Rao Maharulakar	I	
12	Ghulam Md. Hafiz Nasir-ud-din Ahmad Ansari	I	
20	Md. Munim Khan	I	
22	Narayan Rao	I	
28	Hanmanth Rao Vishnu	I	
13	Md. Jalaluddin	I	
24	H. Ram Lal	I	
1	Ahmad Abdul Majid	I	
8	Sayyid Saadat Ali	I	
14	Md. Jamaluddin	I	
3	Bhagwan Rao Chapergawnkar	I	
6	Khawja Muhammad Ahmad	I	
4	Bhimachari Kunhalkar	I	
10	Sayyid Abdul Mannan	I	
18	Md. Abdul Qadir Qureshi	II	
19	Md. Maqbul Husain	II	
25	M. Sesh Reddy	II	
27	Ali Muhammad Khan	II	Ex-Student
21	Madan Mohan Lal	II	do
26	Sayyid Muhammad Hasan Razvi	II	
16	Muhammad Sakhawat Mirza	II	
9	Sayyid Abdur Rab	II	

LL. B. (FINAL) EXAMINATION 1339 F.—1930.

Roll No.	Name	Division	Remarks
28	Wahidullah Khan	I	
2	Ahmad Abdullah-al-Masdusi	I	
10	G. N. Harvalkar	I	
22	Ghaus Muhammad Khan	I	
11	Chandar Mohan Lal	I	
18	Muhammad Abdur Rab	I	
13	Devi Parshad Misra	I	
9	J. B. Joshi	I	
27	D. Narsihvan Rao	I	
19	Muhammad Abdul Ghafur	I	
12	Muhammad Hamidullah	I	
21	Ghulam Muhammad	I	
1	Mir Ahmad Husain	I	
6	Bashir Ahmad Tahir	I	
5	Mirza Iqbal Ahmad Beg	I	Ex-Student
30	Raghunath Bhusari	I	
29	Hanmanta Chari	I	
8	Mir Tilawat Ali Zaidi	II	
25	Muhammad Safi	II	
4	Mir Asad Ali Shah	II	do
31	Muhammad Abdus Salam	II	
23	Govind Rao Nagapurkar	II	
17	Mir Zahuruddin	II	
26	Muhammad Ghaus	II	

FACULTY OF MEDICINE.

M.B.B.S. (FIRST PROFESSIONAL) EXAMINATION. 1388 F.—1929.

Roll No.	Name	Division	Remarks
15	Muhammad Bahadur Khan	I	
1	Abdul Kalam Muhammad Badruddin	I	
6	D. Tulsi Das	I	
11	Shankar Rao Jadhu	I	
10	Sayyid Nizamuddin Ahmad	II	
19	S. Vasudev	II	
14	Muhammad Ibrahim Ali Khan	II	
12	Ghulam Ahmad	II	
9	Sayyid Ali	II	
5	Khurshid Ali	II	
18	Muhammad Munawwar Ali	II	
18	Kanwal Chander	II	
4	Hakim Muhammad Abdul Rahman	II	

M.B.B.S. (FIRST PROFESSIONAL) EXAMINATION 1389 F.—1930.

Roll No.	Name	Division	Remarks
1	Abu Tahir Muhammad Abini Qadir	I	
6	Sayyid Abdus Samad	II	
2	Sayyid Rashiduddin Husain	II	
7	E. Srinivas Reddy	II	
8	Ahmad Husain	II	
4	Ghulam Murtaza	II	

M.B.B.S. (SECOND PROFESSIONAL) EXAMINATION.—1389 F.—1930.

Roll No.	Name	Division	Remarks
10	Muhammad Munawwar Ali	I	
3	Abul Kalam Muhammad Badruddin	I	
5	Sayyid Nizamuddin Ahmad	I	
16	S. Vasudev	I	

FACULTY OF MEDICINE.

M. B. B. S. (Second Professional) Examination 1389 F.—1980.

Roll No.	Name	Division	Remarks
8	Muhammad Bahadur Khan ..	I	
11	Hakim Muhammad Abdur Rahman	I	
14	Shankar Rao Jadhan ..	I	
12	Ghulam Ahmad ..	II	
15	Kanyal Chandar ..	II	
7	Muhammad Ibrahim Ali Khan	II	
6	Sayyid Ali.. ..	II	
9	Muhammad Qasim Husain Siddiqi	II	
17	D. Tulsi Das ..	II	
4	Sayyid Arifullah Qadiri ..	II	
1	Ahmad Abdul Wahid Khan Arab..	II	
13	Khurshid Ali ..	II	
2	Abul Maani Ghulam Nabi	II	

FACULTY OF TEACHING.

B. T. EXAMINATION 1389 F.—1930.

Roll No.	Name	Class	Remarks
1	Muhammad Muhiuddin Quraishi	III	
2	Muhammad Murtaza Husain	III	
3	Mirza Ibrahim Ali Beg	II	
4	Sayyid Tajammul Husain	III	
5	Hoshdar Khan	II	
8	P. Krishna Reddi	III	
9	Maslehuddin Faruqi	III	

V. HONORARY DEGREES.

SULTAN-UL-ULUM.

Azur 1333 F.—Oct.   1923   ..   His Exalted Highness the
                                        Nizam.

LL. D.

Aban 1334 F.—Sept. 1925   ..   Nawab Imadul Mulk Bahadur,
                                        Sayyid Husain Bilgrami, C.S.I.

Dai 1336 F.—Dec. 1926   ..   Nawab Sir Ahmad Husain Amin
                                        Jung Bahadur, K.C.I.E., C.S.I.,
                                        M.A., B.L.

Dai 1337 F.—Dec. 1927   ..   Nawab Hydar Nawaz Jung
                                        Bahadur, (Sir Akbar Hydari).

Dai 1338 F.—   1928   ..   Nawab Masood Jung Bahadur
                                        B.A. I.E.S. Bar.-at-Law.

VI. FORMS.

(i) FORMS OF APPLICATION FOR REGISTRATION FOR EXAMINATIONS.

(1) MATRICULATION EXAMINATION.

FORM (A) for pupil candidates.

Name	{ Urdu / English
Date of birth and age at the time of submitting the application ..	
Father's name and occupation	{ Urdu / English
Race and Religion	
Address	
School from which the candidate is appearing and the period of study ..	
Group or groups in which the candidate has passed previously specifying the roll No. and the year of the Examination	
Subjects of the Examination in which the candidate desires to be examined	
Where to be examined	
Year or years if any, in which the candidate has appeared for the examination and the Register No. of the respective year should also be stated	

Signature of the Candidate.

Date.............

Certificate of the Head Master.

I hereby certify that.................................is a student of the Matriculation Class of (School)................ ......He attended.....days out of.....in which the school was kept open during the current academical year. He has completed the prescribed course, and that his character has been good.

I further certify that the date of his birth is.......and that his age on the 1st day of Shahrewar 134 F., will be.........

Signature of the Head Master.

FORM (B)   *For private candidates and teachers.*

Name .. ..   { Urdu
    English

Date of birth and age at the time of submitting the application ..

Father's name and occupation .. .. ..   { Urdu
    English

Race and Religion .. .. ..

Address .. .. ..

School in which the candidate is employed .. ..

School in which the candidate was educated and the period of study ..

Group which the candidate passed with roll number and date of Examination

Where to be examined .. .. ..

Year or years, if any, in which the candidate has appeared for the Examination (Centre, and the Register No. of the respective year should be stated)

Signature of the Candidate.

Certificate from a recognised authority.

I certify that............................has prosecuted a satisfactory course of study for the examination ....and that he is sufficiently prepared to appear at the examination. He possesses a sufficient knowledge of Urdu to enable him to express himself in that language both in speech and writing with ease and with grammatical correctness.

I further certify that the date of his birth is......and that his age on the 1st day of Shahrewar 134 F., will be..............

Date............

Signature of a recognised authority.

(2) INTERMEDIATE EXAMINATION.

FORM (A) *For College candidates.*

Name .. .. {Urdu / English

Date of birth and age at the time of submitting the application ..

Father's name and occupation .. .. .. {Urdu / English

Race and Religion .. .. ..

Address .. .. ..

Matriculation Examination or its equivalent which the candidate has passed, date of passing and the class in which he was placed ..

College or Colleges at which the candidate has studied and the time at each

Optional subjects and whether Theology or Morals will be taken ..

55

Year or years, if any, in which the candidate has appeared for the examination (Centre, and the Register No. of the respective year should also be stated)   ..   ..

Dated................

Signature of the candidate.

Certificate for College Candidates.

I hereby certify that................is a student of this College. His character has been good and that he has studied in this College during the period mentioned in this application. He has shown satisfactory progress in his subjects of study. The other facts mentioned are correct.

Dated................

Signature of the Principal.

Certificate for Ex-College candidates.

I hereby certify that............was a student of this College during the year.....and had appeared at the Intermediate Examination of the year......from this College. His character has been good and that the facts mentioned in this application are correct. In view of his attainments he can hope to secure a pass in the next Intermediate Examination.

Dated................

Signature of the Principal.

FORM (B) *For teachers and other private candidates.*

Name	{ Urdu { English
Date of birth and age at the time of submitting the application	..
Father's name and occupation	{ Urdu { English
Race and Religion	..
Address	..
Matriculation Examination or its equivalent which the candidate has passed, date of passing and the class in which he was placed	..
Nature of employment and period of service ..	..
Optional subjects and whether Theology or Morals will be taken	..

Year or years, if any, in which the candidate has appeared for the examination (Centre, and the Register No. of the respective year should also be stated) .. ..

Dated............

Signature of the Candidate.

Certificate.

I hereby certify that...

or (i) is a Nazir or Inspector of schools of...........District in the service of the Educational Department of His Exalted Highness' Government.

or (ii) is a whole-time teacher in the School..........recognised by the Educational Department.

or (iii) is a Laboratory Assistant in the............College.

or (iv) is a whole time Librarian in the Osmania University College or in the Asafia Library. and that by the date of this application he has rendered continuous and approved service for......years......
......months.

His character is good and that in view of his attainments he can hope to secure a pass in the Intermediate Examination.

Dated............

Signature...........................

Divisional Inspector of Schools, or Principal of a College, or the Head of the Library.

(3) B. A. EXAMINATION.
FORM (A) *For College candidates.*

Name .. .. { Urdu
                   { English

Date of birth and age at the time of submitting the application ..

Father's name and occupation .. .. .. { Urdu
                                        { English

Race and Religion .. ..

Address .. ..

Intermediate Examination or its equivalent which the candidate has passed, date of passing and the class in which he was placed ..

College or Colleges at which candidate has studied and time at each ..

Subjects of Examination .. .. ..

Year or years, if any, in which the candidate has appeared for the examination (Centre and the Register No. of the Respective year should also be stated) ..   ..

Dated......................

Signature of the Candidate.

Certificate for College Candidates.

I hereby certify that................. is a student of this college. His character has been good and that he has studied in this college during the period mentioned in this application. He has shown satisfactory progress in his subjects of study. The other facts mentioned are correct.

Dated......................

Signature of the Principal.

Certificate for Ex-College Candidates.

I hereby certify that..........was a student of this College during the year......and had appeared at the B. A. Examination of the year........,from this college. His character has been good and that the facts mentioned in this application are correct. In view of his attainments he can hope to secure a pass in the next B. A. Examination.

Dated......................

Signature of Principal.

FORM (B) *For teachers and other private candidates.*

Name	.. ..	{ Urdu { English
Date of birth and age at the time of submitting the application	..	
Father's name and occupation	.. ..	{ Urdu { English
Race and Religion	.. ..	
Address	.. ..	
Intermediate Examination or its equivalent which the candidate has passed, date of passing and the class in which he was placed	.. ..	
Nature of employment and period of service	.. ..	
Subjects of Examination	.. ..	

Year or years, if any, in which the candidate has appeared for the examination (Centre, and the register No. of the respective year should also be stated). .. ..

Dated................

Signature of the Candidate.

Certificate.

I hereby certify that................

(1) is a Nazir or Inspector of Schools of.......District in the service of the Educational Department of His Exalted Highness' Government.

or (2) is a whole-time teacher in the School.......recognised by the Educational Department.

or (3) is a Laboratory Assistant in the.........College.

or (4) is a whole-time Librarian of the Osmania University College or in the Asafia Library. and that by the date of this application he has rendered continuous and approved services for.........years ....months.

His character is good and that in view of his attainments he can hope to secure a pass in the B. A. Examination.

Dated................

Signature................

Divisional Inspector of Schools or Principal of a College, or the Head of the Library.

M. A. EXAMINATION.

Name : : : { Urdu / English

Date of birth and age at the time of submitting the application :

Father's name and occupation : :. { Urdu / English

Race and Religion : : :

Address : : :

B. A. Examination or its equivalent in which candidate has passed, date of passing and the class in which he was placed : :

College at which the candidate has studied and time of study :

Year or years, if any, in which the candidate has appeared for the examination (Centre, and the Register No. of the respective year should also be stated) : :

Dated...............

Signature of the Candidate.

Certificate

I hereby certify that..........is a student of this college. His character has been good and that he has studied in this college during the period mentioned in this application. The other facts mentioned are correct.

Dated...............

Signature of the Principal.

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M. Sc. (FINAL) EXAMINATION.

Name   ..   ..   { Urdu / English

Date of birth and age at the time of submitting the application

Father's name and occupation   ..   ..   { Urdu / English

Race   ..   .. Religion

Address   ..   ..

B, A. or B. Sc. Examination or its equivalent examination } Examination   Date of passing
in which the date has passed, date of passing and the
class in which he was placed.   ..   ..   ..

Year or years, in which the candidate has appeared for the examination,
with Roll No. and Centre.

Dated..................

Signature of the Candidate.

Certificate.

I hereby certify that............is a student of the college. His character has been satisfactory and
that he has prosecuted a regular course of study for the period prescribed under the Rules and that the facts
mentioned in the application are correct.

(5) LL. B. (PREVIOUS) EXAMINATION.

Name	{Urdu / English
Date of birth and age at the time of submitting the application ..	
Father's name and occupation	{Urdu / English
Race and Religion	
Address	..
B. A. Examination or its equivalent in which candidate has passed, date of passing and the class in which he was placed	
Colleges at which the candidate has studied and time of study ..	
Year or years, if any, in which the candidate has appeared for the examination (Centre, and the Register No. of the respective year should also be stated)	.

Signature of the candidate.

Dated..........................

Certificate.

I hereby certify that..........is a student of this college. His character has been good and that he has studied in this college during the period mentioned in this application. The other facts mentioned are correct.

Signature of the Principal.

Dated..........................

LL. B. (FINAL) EXAMINATION.

Name .. .. { Urdu
English

Date of birth and age at the time of submitting the application .:

Father's name and occupation .. .. { Urdu
English

Race and Religion .. .: .:

Address .. .: .•

Date of passing the LL. B. Previous Examination and the class in which he was placed .• .: .:

College at which the candidate has studied and time of study .:

Year or years, if any, in which the candidate has appeared for the examination (Centre, and the Register No. of the respective year should also be stated) .• .: .:

Signature of the Candidate.

Dated..................

Certificate.

I hereby certify that............is a student of this College. His character has been good and that he has studied in this College during the period mentioned in this application. The other facts mentioned are correct.

Signature of the Principal.

Dated..................

M. B. B. S. (First Professional) Examination.

Name .. .. $\left[\begin{array}{l}\text{Urdu}\\\text{English}\end{array}\right.$

Date of his ..... and age at the time of submitting the application .. $\left[\begin{array}{l}\text{Urdu}\\\text{English}\end{array}\right.$
father's name and occupation

Race and Religion .. ..

Address .. ..

Intermediate Examination or its equivalent, which the candidate has passed, date of passing and the optional subjects taken .. ..

Year or years if any in which the candidate has appeared for the examination

Dated...............184 F.

Signature of the candidate.

Certificate.

I hereby certify that...............is a student of this College. His character has been good and the facts mentioned in the application are correct. He has been a regular student of the College during the period and is eligible to appear at the Examination. The required certificates are herewith attached.

Dated...............184 F.

Signature of the Principal, Medical College.

M. B. B. S. (Second Professional) Examination.

Name .. .. { Urdu English

Date of birth and age at the time of submitting the application ..

Father's name and occupation .. .. .. { Urdu English

Race and Religion .. ..

Address .. ..

Whether the candidate has passed the First Professional Examination .. | Date of passing with Roll No. | Division

Year or years if any in which the candidate has appeared for the examination

Dated.................184 F.

Signature of the Candidate.

Certificate.

I hereby certify that..............is a student of this College. His character has been good and the facts mentioned in the application are correct. He has been a regular student of the College during the required .... after passing the First Professional Examination and is eligible to appear at the Examination. The .... are herewith attached.

Dated..................——— F.

Signature of the Principal, Medical College.

M. B. B. S. (THIRD PROFESSIONAL) EXAMINATION.

Name .. .. : {Urdu / English}

Date of birth and age at the time of submitting the application : {Urdu / English}

Father's name and occupation .: .. :

Race and Religion .. .. :

Address .. .. :

Whether the candidate has passed the Second Professional Examination .. .. | Date of passing with Roll No. | Division

Year or years if any in which the candidate has appeared for the examination

Dated.................184 F.

Signature of the Candidate.

Certificate.

I hereby certify that.................is a student of this College. His character has been good and the facts mentioned in the application are correct. He has been a regular student of the College during the period after passing the Second Professional Examination and is eligible to appear at the Examination. The required certificates are herewith attached.

Dated.................184 F.

Signature of the Principal, Medical College.

B. E. EXAMINATION.

Name .. .. { Urdu / English

Date of birth and age at the time of submitting the application ..

Father's name and occupation .. .. ..

Race and Religion .. .. { Urdu / English

Address .. ..

Intermediate Examination or its equivalent, which the candidate has passed, date of passing and the optional subjects taken .. .. ..

Year or years if any in which the candidate has appeared for the examination

Dated..................184 *F.*

Signature of the candidate.

Certificate.

I hereby certify that..............is a student of this College. His character has been good and the facts mentioned in the application are correct. He has been a regular student of the College during ....and is eligible to appear at the Examination. The required certificates are herewith attached.

Dated..................184 *F.*

Signature of the Principal, Engineering College.

(4) B. T. EXAMINATION.

Name .. .. { Urdu
{ English

Date of birth and age at the time of submitting the application .. .. ..

Father's name and occupation .. .. .. { Urdu
{ English

Address .. ..

Race and Religion .. ..

B. A. Examination or its equivalent in which candidate has passed, date of passing the Examination .. .. | Examination with the name of University | Date of Passing

Subjects .. .. Optionals .. Special

Year or years, if any in which the candidate has appeared for the Examination, with Roll. No. and Centre .. ..

Dated..........................

Signature of Candidate.

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Certificate.

I hereby certify that.............is a student of this college. His character has been good and that the facts mentioned in the application are correct. He has prosecuted a regular course of study in the college for the prescribed period and that he is fit for the Examination.

Dated...............

Principal, O. T. College.

(D) B. T. EXAMINATION.

This is to certify that............has prosecuted a regular course of study for a period of......acade-mic year (From.......184 F. to 184 F.) after passing his.............Examination. He has attended ......lecture out of........lectures delivered during the period which amounts to............

He has completed the practical as well as the extra subject course (in which examination is not to beheld).

Dated...............

Principal, O. T. College.

(ii) FORMS OF ATTENDANCE CERTIFICATES.

(a) INTERMEDIATE EXAMINATION.

Certificate of attendance of.................in the Osmania University College during the years ....

Subject	No. of lectures in the College	No. of lectures attended
English ...	:	:
Optionals ...	:	:
(a)		
(b)		
(c)		
Theology or Morals	:	:

I certify that............has attended and satisfactorily completed the course of instruction in Physics.

Professor.

Dated...................

I certify that............has attended and satisfactorily completed the course of instruction in Chemistry.

Professor.

Dated...................

I certify that............has attended and satisfactorily completed the course of studies in Biology.

Professor.

Dated...................

I certify that.............'s conduct and progress have been satisfactory and that he has completed the course of studies prescribed for the Intermediate Examination.

Principal.

Dated...................

B. A. EXAMINATION.

Certificate of attendance of............in the Osmania University College during the years..........

Subject	No. of lectures in the college	No. of lectures attended
English ..	:	
Optionals ..	:	
Theology or Morals	:	

I certify that............has attended and satisfactorily completed the course of instruction in Physics.

Professor.

Dated............

I certify that..........has attended and satisfactorily completed the course of instruction in Chemistry.

Professor.

Dated............

I certify that............'s conduct and progress have been satisfactory and that he has completed the course of studies prescribed for the B. A. Examination.

Principal.

Dated............

(E) M. B. B. S. First Professional Examination.

This is to certify that...............has prosecuted a regular course of study in Anatomy (including Embryology) of...........lectures extending over two long and short terms from 188   F. to 188   F. with demonstrations and dissections of the whole human body.

Dated   *Professor of Anatomy.*

This is to certify that...............has prosecuted a regular couse of study in Physiology of...........lectures extending over two long and short terms from 188   F. to 188   F.

                                                            Professor of Physiology.

Dated....................

This is to certify that...............has attended in 188   F. a course in Practical Histology of...........meetings of two hours each extending over two short terms.

Dated....................   *Professor of Practical Histology.*

This is to certify that...............has attended...........meetings of two hours each in physio-logical Chemistry and...........meetings of two hours each in experimental physiology.

Dated....................   *Professor.*   *Professor.*

M. B. B. S.—SECOND PROFESSIONAL EXAMINATION.

This is to certify that.............has prosecuted a regular course of study in Materia Medica (including Therapeutics) of.............lectures extending over two long and short terms.

Dated...................

Professor of Materia Medica.

This to certify that.............has attended.............meetings of two hours each of Practical Pharmacy from 184 F. to 184 F.

Dated...................

Professor of Pharmacy.

This to certify that.............has attended a course of study in Hygiene of.............lectures, (including Practical Demonstrations) and instruction in Vaccination extending over one long term in 184 F.

Dated...................

Professor of Hygiene.

M. B. B. S.—THIRD PROFESSIONAL EXAMINATION.

This is to certify that..................has attended a course of study in Pathology (including Bacteriology) of..................lectures extending over two long terms from 184 F. to 184 F.

Dated..................

Professor of Pathology.

This is to certify that..................has attended..................meeting of two hours each in Practical Pathology from 184 F. to 184 F.

Dated..................

Professor of Practical Pathology.

This is to certify that..................has attended a course of study in Medical Jurisprudence of..................lectures extending over one long term from 184 F. to 184 F., and has attended.................. meetings of *Post Mortem* Examinations.

Dated..................

Professor of Medical Jurisprudence.

B. E. EXAMINATION.

Part I Examination.

This is to certify that................has prosecuted a regular course of study in the Engineering College during the year 184   F. to 184   F., after passing the.............Examination, and out of............lectures delivered at the College has attended..................lectures.

Dated............................

Secretary, Engineering College.

(c) M. A. Examination.

This is to certify that............has prosecuted a regular course of study in the Osmania University college for................academic years (with effect from.....................184.......to.......184 Fasli).

He has attended......................lectures out.............lectures in....................(subject) given in the College during the said period.

Principal.

Dated.......................184 F.

(d) M. Sc. Examination.

This is to certify that......................has prosecuted a regular course of study in the Osmania University College (with effect from......................184..... to..................184...... Fasli).

He has attended.........lectures out of.........lectures in......................(subject) given in the College during the said period.

Principal.

Dated......................184 Fasli.

(e) B. T. Examination.

This is to certify that.................has prosecuted a regular course of study in the Osmania Training College after passing his B. A. Examination (with effect from......................184...... to..................184 Fasli).

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He has attended......,lectures out of........,lectures given on different subject in the College, which amounts to......per cent.

Dated..................184 Fasli,

Principal.

(f) LL. B. (PREVIOUS OR FINAL) EXAMINATION.

This to certify that..........has prosecuted a regular course of study in the Osmania University College for...........academic years (with effect from..........184 to.............184 Fasli).

He has attended.......,.........lectures out,........lectures given in the College during the said period.

Dated,................19   .

Principal.

(iii) FORM OF APPLICATION FOR REGISTRATION OF GRADUATES.

Name in full as entered in Diploma .. .. ..

Father's name .. .. ..

Degree or degrees taken .. .. Year or years of Convocation at which the Degree or Degrees were taken.

Present occupation .. .. ..

Permanent postal address .. .. ..

Whether he elects to pay an annual fee or a composition fee ..

Signature.....................

Dated...........................198 .

(IV) FORMS OF AGREEMENT AND SECURITY BONDS FOR UNIVERSITY LOAN FUND.

(1) *Form of Agreement.*

I..s/o................................residing in..................hereby agree that I would repay the loan of B.G Rs..........that would be advanced to me by His Exalted Highness the Nizam's Government in various instalments as would be required by me for purposes of study in foreign countries, in monthly instalments which shall be one-fourth of my salary in........years, with interest at the rate of 4½ per cent. per annum.

In the event of my failing to pay either the principal amount or the interest as stated above, I shall be held personally responsible for the amount that might remain due by me, to recover which I hereby authorise His Exalted Highness the Nizam's Government in the Osmania University to take action against me in accordance with the Public Demands Recovery Act No. 4 of 1808 Fasli. I further agree to remain in Government service till the repayment of the full amount of the loan or for 5 years (whichever period be less). In the event of my failing to abide by this condition, the Government would be entitled to recover the full amount with compound interest at 8 per cent. in lump sum.

In token of my above undertaking I sign this in the presence of two witnesses.

(2) *Security Bond.*

Whereas the Government Osmania University have agreed to advance to................................... son of.................... a total loan of B.G................ in various instalments, each of which will be considered as a separate loan for the purpose of studies in foreign countries in accordance with the " University Loan Fund " rules. I........................ as his surety hereby agree that the said borrower shall repay the loan in........ years by monthly instalment which shall be one-fourth of his salary with interest at the rate of $4\frac{1}{2}$ per cent. per annum and in the event of the said borrower failing to repay the full amount or any part of the loan with interest, I shall pay the same in full. In the event of my failing to pay the said amount, the Government in the Osmania University would be entitled to recover it in accordance with the Public Demands Recovery Act No. 4 of 1808 F. I further agree not to transfer or incumber in any way my property of the value of.................. consisting of........................ of which I am the sole owner till the repayment of the full amount of the loan.